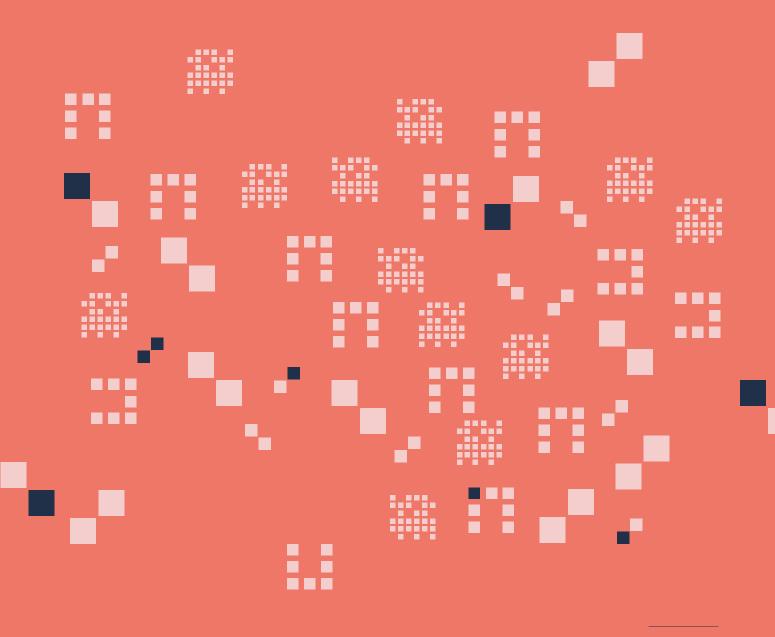
Evading accountability through internet shutdowns:

Trends in Africa and the Middle East



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SUMMARY

Governments around the world frequently use internet shutdowns (see Box 1 for definition) to disguise and evade accountability for grave human rights violations, including illegitimate grabs for power, statesanctioned violence against peaceful protestors and even extra-judicial killings of political dissidents. This paper draws attention to key examples of this happening in recent years across Africa and the Middle East, and identifies common trends and factors driving the use of internet shutdowns in this way. The paper also makes recommendations for governments, the private sector, regulators and international human rights institutions as to how to call attention to and push back against this trend and ensure that victims of human rights abuses can properly call attention to their plight and access redress.

While internet shutdowns themselves constitute a violation of freedom of expression online regardless of context, this has been explored extensively elsewhere and is not the focus of this research paper.

METHODOLOGY

In terms of the international legal framework surrounding internet shutdowns, we base our analysis on international human rights law—primarily the International Covenant on Civil and Political Rights and the International Covenant on Economic, Social and Cultural Rights, but also other core human rights treaties and instruments. International human rights law applies at all times and deals specifically with the obligations of states to respect, protect and fulfil human rights. Furthermore, we examine how internet shutdowns may also be used to cover violations of international humanitarian law, which applies during armed conflict and seeks to limit the effects of war by protecting people who are not participating in hostilities, and by restricting the means and methods of warfare. We rely, in our analysis, on the wealth of soft law guidance on internet shutdowns from the United Nations Office of the High Commissioner of Human Rights, which clearly states that blanket internet shutdowns violate international law and cannot be considered lawful or justified restrictions to the rights to freedom of expression or the rights to peaceful assembly in any circumstances.¹

For this piece of research, we first used open-source data and public reports of internet shutdowns to investigate the frequency of internet shutdowns in the Africa and the Middle East regions in recent years. We then conducted a mapping of internet shutdowns in these regions in the last four years that have reportedly covered up governments' violations of the rights to assembly, to free and fair elections, to security and bodily integrity and to life. From this initial mapping of 54 incidents, five "case studies" were selected for more in-depth research based on their relevancy, recency and the severity of the human rights impacts that were covered up by the shutdown, as well as to ensure a variety of sociopolitical contexts would be covered through the case studies. These five incidents were investigated through desk-based research as well as consultation with local experts, who provided insight, feedback

and additional issues for consideration as well as more nuanced information about the local regulatory frameworks governing each shutdown. The research paper draws upon existing data, desk research, the in-depth case studies and expert consultations to identify themes, trends, and potential routes forward for engagement and advocacy on this topic.

INTRODUCTION

Internet shutdowns are an increasingly common feature of global digital life. As internet connectivity rises around the world and more individuals than ever before are online, governments are increasingly weaponizing internet shutdowns to limit civic space and political freedoms in the digital world as well as the physical. The #KeepltOn coalition documented over 900 internet shutdowns in at least 76 countries globally between 2016 and 2021, and twelve countries shut down the internet more than ten times² during this period. Nearly half of these shutdowns occurred in a context of political turbulence,³ and some lasted for weeks—or even months or years—severely impacting the day-to-day lives of millions of people.

India remains the world's leader in frequency of internet shutdowns, imposing over 600 shutdowns between 2016 and 2021. However, the Middle East and North Africa (MENA) and Sub-Saharan Africa (SSA) regions are also some of the worst hit by internet shutdowns. Of the 76 countries which experienced internet shutdowns between 2016 and 2021, 18 are in MENA⁴ and 27 are from SSA. In total, 216 internet shutdowns were observed across these 45 countries during this period, constituting 23% of all internet shutdowns worldwide or 60% of all internet shutdowns worldwide excluding India (see Figures 1 and 2).⁵ Internet shutdowns in the MENA and SSA regions have also increased in overall frequency since 2016 (see figure 2). In 2021 alone, nearly half of the countries in the MENA region and a quarter of the countries in the SSA region implemented some kind of shutdown, with Sudan and Iran shutting down the internet at least 5 times each.⁶

Box 1 What is an internet shutdown?

The term "internet shutdowns" encompasses a broad range of types of interference and limitations on people's communications and the technologies that underpin them. These can be achieved through a variety of methods and mechanisms, including by damaging or disabling fundamental infrastructure, interfering with routing information, manipulating domain name systems, implementing or mandating the use of filtering or deep-packet inspection (DPI) mechanisms, and throttling bandwidth speeds.⁷

The technical means through which each shutdown is implemented varies, depending on the nature of local telecommunications infrastructure, the degree of centralisation or government control over such infrastructure, and the impact that the shutdown is intended to achieve across a particular geographic

area and range of communications services.⁸ Some internet shutdown techniques are harder to detect or prove, or subject to weaker checks and balances or external scrutiny, making them more appealing to governments wishing to control communications without being detected or challenged.⁹

There are a number of different operational definitions of an internet shutdown, which serve different purposes for different groups.¹⁰ In a recent paper on internet shutdowns, the Office of the High Commissioner for Human Rights defined them as:

"measures taken by a government, or on behalf of a government, to intentionally disrupt access to, and the use of, information and communications systems online."

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For the purposes of this paper, we will use a slightly broader definition recently formulated by Access Now in their paper, The Taxonomy of a Shutdown:

"An interference with electronic systems primarily used for person-to-person communications, intended to render them inaccessible or effectively unusable, to exert control over the flow of information." ¹²

This definition better captures the varied and evolving techniques that are used to implement internet shutdowns, and also is not limited strictly to shutdowns imposed by governments. This allows for consideration of examples where non-state groups are imposing or implementing an internet shutdown, either during power grabs (e.g. through coup d'états) or as part of civil warfare (e.g. by damaging core telecommunications infrastructure). This definition includes content blocking of social media platforms—which are channels of communication in their own right—but not content blocking of websites like newspapers or NGOs.

PROPORTION OF GLOBAL SHUTDOWNS TAKING PLACE IN MENA AND SSA BETWEEN 2016 AND 2021

- Internet shutdowns in MENA region: 120
- Internet shutdowns in SSA region: 88
- Internet shutdowns in India: 567
- Internet shutdowns in other countries: 148

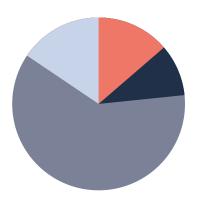


Figure 1 Proportion of global shutdowns taking place in MENA and SSA between 2016 and 2021 (using Access Now STOP Data)

PROPORTION OF GLOBAL SHUTDOWNS TAKING PLACE IN MENA AND SSA BETWEEN 2016 AND 2021 (EXCLUDING INDIA)

- Internet shutdowns in MENA region: 128
- Internet shutdowns in SSA region: 88
- Internet shutdowns in other countries: 148

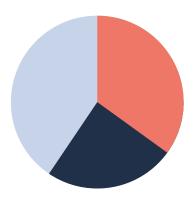


Figure 2 Proportion of global shutdowns taking place in MENA and SSA between 2016 and 2021 (excluding India) (using Access Now STOP Data)

INCREASE IN INCIDENTS OF INTERNET SHUTDOWNS IN MENA AND SSA BETWEEN 2016 AND 2021

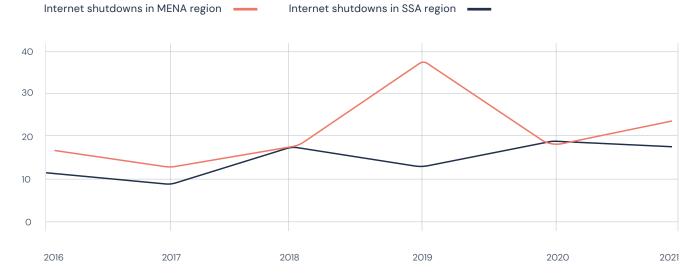


Figure 3 Increase in incidents of internet shutdowns in MENA and SSA between 2016 and 2021 (using Access Now STOP Data).

The human rights impacts of internet shutdowns are widely recognised. In preventing individuals from accessing the internet, internet shutdowns severely restrict freedom of expression and access to information, which in turn impacts other rights such as the rights to assembly and the right to participate in public affairs, including free and fair elections. Furthermore, internet shutdowns have negative impacts on individuals' economic, social and cultural rights. They disrupt work and livelihoods, preventing people from earning and trading as well as accessing or completing education and studies which rely on internet access. Shutdowns also prevent people from accessing healthcare and emergency services, and have adverse impacts on psychological wellbeing. They limit people's ability to organise and assemble around common causes, and place people's safety and well-being directly at risk—for example, when they make it impossible to warn people of impending danger. Many of these impacts are felt most keenly by already vulnerable or marginalised groups.¹³

This paper does not analyse the human rights impacts of internet shutdowns themselves or how international and regional human rights frameworks¹⁴ apply to internet shutdowns, as these topics have been explored in detail elsewhere.¹⁵ Instead, we focus on how governments in the MENA and SSA regions seem to be employing internet shutdowns as a tool for covering up and evading accountability for egregious offline human rights abuses, including distorting electoral processes, perpetrating violence against peaceful demonstrators and arresting or killing political dissidents. These human rights abuses may be experienced by all, not just those who are already online or using the internet for day-to-day life. Drawing on in-depth case studies from 2021 and 2022 in the MENA and SSA regions, this paper builds on existing research and efforts to draw attention to the severity of internet shutdowns in particular contexts, and to draw insights from recent examples to assist in current and future advocacy efforts.

In section 1, we explore how internet shutdowns have been implemented to cover up violations of political rights, violations of the integrity of the person, 16* or violations of humanitarian law in conflict situations, providing details from case studies from Burkina Faso, Chad, Ethiopia, Iran and Sudan. In section 2 we explore common themes, trends and government narratives across these diverse cases, and in section 3 we highlight the work of advocates and activists working to push back against both human rights violations and internet shutdowns, and to seek accountability from authorities.

^{*} We use this as an umbrella term to cover a range of human rights abuses that result from physically violent treatment, including arbitrary deprivation of life, disappearance, torture and inhuman or degrading treatment or punishment.

1. HOW HAVE INTERNET SHUTDOWNS BEEN USED TO DISGUISE HUMAN RIGHTS VIOLATIONS IN AFRICA AND THE MIDDLE EAST?

Internet shutdowns disguising violations of political rights

Between 2018 and 2022, at least 48 documented internet shutdowns in Africa and the Middle East occurred alongside violations of individuals' rights to assembly¹⁷ and/or their rights to participate in political and public life, including through free and fair elections.¹⁸ In about half of these incidents, the shutdown lasted less than three days, imposed as short term restrictions to quell protests or to stop the spread of disinformation or restrict information sharing during electoral periods. Recent examples include the August 2022 shutdown in Somalia's self-declared Republic of Somaliland, which was imposed in response to demonstrations that protested the postponement of the presidential election¹⁹; Uganda's suspension of internet services nationwide in January 2021 on the eve of its general elections²⁰; and Jordan's throttling of internet access and Facebook Live services in August 2020²¹ and March 2021²² in response to protests about teachers' pay and COVID-19 restrictions.

Below, we explore two cases of internet shutdowns implemented in contexts of electoral interference and manipulation of political processes in greater detail: the 2022 shutdown after a coup d'etat in Burkina Faso, and the 2021 shutdown in Chad coinciding with violence towards and arrest of an opposition politician.

CASE STUDY

01

Burkina Faso's January 2022 shutdown

In some instances, an internet shutdown is implemented in order to disguise or conceal the occurrence of a coup d'état, or to confuse narratives around a grab for power by non-state authorities. This was the case in Burkina Faso after a military coup d'état in January 2022.

Tensions had been rising for some time over the perceived failure of President Kaboré's government to address rising attacks from Islamist militants in the North of Burkina Faso since 2016. In the weeks and months before the coup d'état, the government had already shut down the internet twice—first for several days in November 2021 to quell anti-government protests in the north of the country, and second in early

January 2022 in response to a suspected coup plot, where Facebook and WhatsApp were also blocked. On 23 January 2022, military officer Paul-Henri Damiba led a coup against President Kaboré, detaining and then deposing him from his post. Damiba's forces announced that the parliament, government and constitution had been dissolved, closing national borders and establishing nationwide overnight curfews. They also imposed an internet shutdown, slowing internet traffic to 12.5% of normal levels with leading internet service providers Orange, FasoNet and Telecel Faso most heavily disrupted.²³ This internet disruption continued for approximately 35 hours, and soldiers also surrounded and took control of the state broadcaster *Radio Télévision du Burkina*, further impeding citizens' access to information about the developments. No official statement was made regarding the decision to cut internet access, but at the end of January the military junta restored the constitution and appointed Damiba, the leader of the coup, as interim president and head of the new Patriotic Movement for Safeguarding and Restoration (MPSR).²⁴

Public reaction to the coup was mixed. Pro-military groups celebrated the end of Kaboré's regime and thousands marched in support of Damiba serving as interim president.²⁵ However, many citizens and members of the international community denounced the coup and Economic Community for West African States (ECOWAS) and the African Union suspended Burkina Faso's membership. Just eight months later, Damiba was deposed by a second coup, led by another military leader named Traoré, on 30 September 2022. While television channels were cut during this event, no nationwide internet disruption was observed.

Regardless of whether Damiba enjoyed popular support at the time, the January 2022 coup constituted a severe violation of Burkinabés' rights to free and fair elections. The internet disruption was implemented at a pivotal time during the coup, when power was being consolidated by the military junta and citizens were left in the dark and unable to organise to protest or to defend their political rights. Furthermore, the continued political instability after the power grab has eroded confidence in national institutions, with long-term implications for international investment.²⁶

CASE STUDY

02

Chad's February 2021 internet shutdown

Chad's February 2021 shutdown, imposed shortly after security forces sought to arrest an opposition leader at his home, illustrates how authoritarian governments use internet shutdowns to evade accountability for oppression or violence towards political rivals, particularly in the lead up to electoral periods.

Former President of Chad Idriss Déby ruled from 1990 to 2021. Despite establishing a system of multiparty rule in 1992, Déby increasingly ruled in an authoritarian fashion. His electoral victories were disputed by domestic and international observers,²⁷ and opposition leaders who publicly criticised the government were frequently harassed and arrested by government forces.²⁸ He attempted to change the Chadian constitution in 2018 to allow himself to stay in power until 2033, and in his last few years in power he increasingly used internet shutdowns to control the flow of information and suppress protests. The most lengthy and disruptive shutdowns took place in 2016,²⁹ 2018³⁰ and 2020.³¹

The January 2021 shutdown took place against continued protests against Déby's rule and against his standing in the April 2021 elections. Yaya Dillo, the leader of the opposition and a longstanding critic and opponent of Déby's rule, was influential in organising these campaigns. On the morning of Sunday 28 February 2021, members of the Presidential Guard went to Yaya Dillo's home, supposedly with a warrant for his arrest in relation to a defamation case,³² and killed at least two members of his family. Reports of what occurred at Dillo's house are disputed, but a video of the incident posted to Twitter showed a military tank advancing on a house as a crowd of individuals threw objects at it.³³ Shortly after this incident, national network connectivity dropped to less than half of ordinary levels for more than 6 days.³⁴

The timing of the internet shutdown served to cover up evidence and information about the disproportionate use of force, which likely implicated violations of the right to life, the right to liberty and security of person, and the right to due process in a court of law. The shutdown also severely limited Chadians' ability to organise and mobilise protests against this incident quickly and effectively, violating their right to peaceful assembly and following the previous pattern by the government of imposing internet shutdowns to evade accountability and suppress political criticism.³⁵ A Chadian observer also noted that the shutdown impeded the work of human rights defenders to corroborate reports and raise awareness of the incident, created obstacles to democratic processes and contributed to the erosion of trust in the government.

The period after this incident and the accompanying shutdown was indeed characterised by extreme political instability and governmental distrust, with a controversial election in April 2021, the death of President Déby during conflict with the Front for Change and Concord in Chad (FACT) military group, and the appointment of Mahamat Déby (Idriss Déby's son) as head of a Transitional Military Council (TMC) in place of the elected government and national assembly.³⁶ More recently, Mahamat Déby has adopted resolutions extending his rule by a further two years and allowing himself to stand in the next elections, prompting widespread dissent and protests by Chadians and concern from the international community.³⁷

These cases demonstrate the severe information disorder that is introduced by the implementation of an internet shutdown to disguise or conceal interference with electoral processes or political rivals.

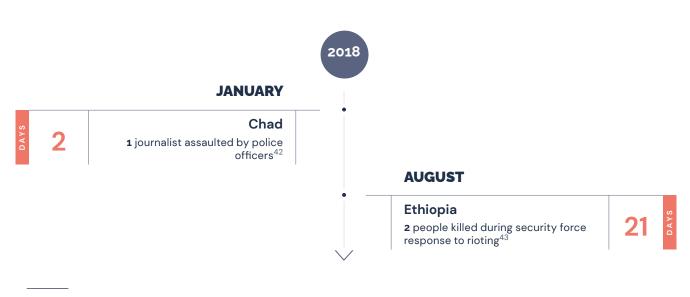
Shutting down the internet at these key moments also prevents citizens from calling on the international community to support them, or to place pressure on the government or leaders of the coup to uphold relevant human rights standards. Open and democratic political discourse is essential for healthy and stable societies, and the silencing of political criticism and dissent erodes authorities' accountability to citizens.

Internet shutdowns disguising violations of the integrity of the person^{38*}

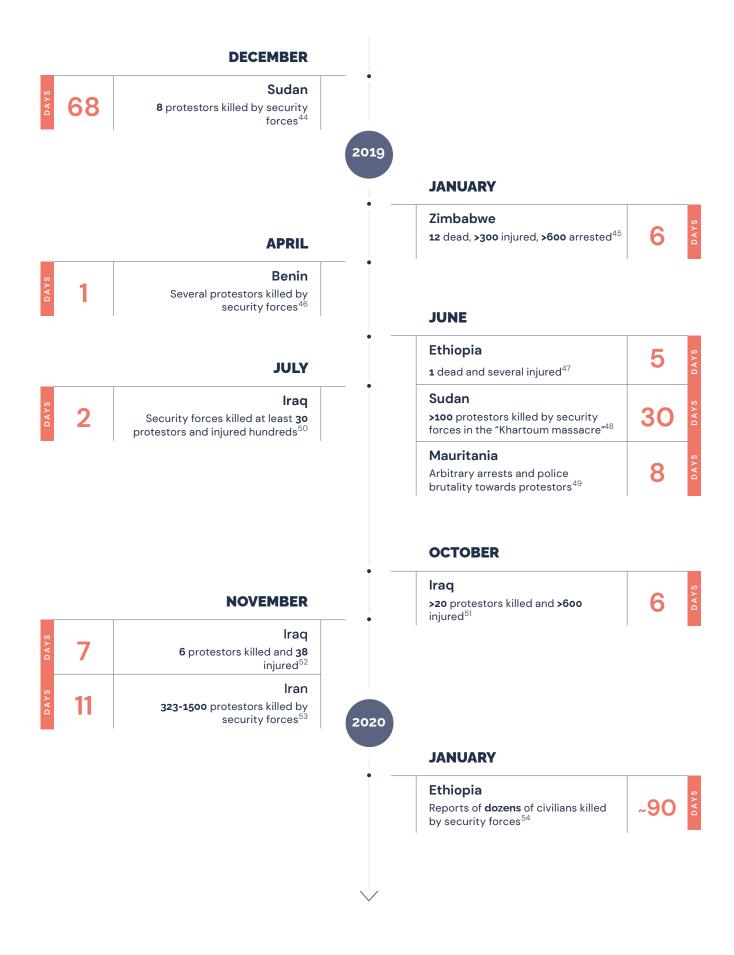
Many internet shutdowns in Africa and the Middle East have been imposed shortly before, during or shortly after incidents of state violence against protestors or particular groups of citizens. These incidents include wrongful or arbitrary arrests of critics or dissidents or violence by law enforcement against peaceful protestors, which can result in violations of the rights to liberty and security of person,³⁹ of the right to freedom from torture and degrading treatment,⁴⁰ and even—in the most egregious cases—of the right to life.⁴¹ By preventing information about or documentation of these incidents from being freely shared online both within and outside of national borders, governments can make it incredibly difficult for victims to seek justice and for perpetrators to be held to account.

Between 2018 and 2022, at least 29 documented internet shutdowns in Africa and the Middle East occurred alongside some form of state violence against citizens, including police brutality, extra-judicial arrests and killings by security forces. These took place across 12 countries, often the result of escalations of protests or electoral information disorder, with a median duration of six days. These incidents are illustrated in the timeline below:

TIMELINE OF INTERNET SHUTDOWNS IN THE MENA AND SSA REGIONS SINCE 2018 THAT HAVE TAKEN PLACE ALONGSIDE STATE VIOLATIONS OF THE INTEGRITY OF THE PERSON



^{*} We use this as an umbrella term to cover a range of human rights abuses that result from physically violent treatment, including arbitrary deprivation of life, disappearance, torture and inhuman or degrading treatment or punishment.



JUNE

Ethiopia

155 civilians and 11 security forces dead, **167** injured and over **1,000** $\mathsf{arrested}^{55}$

JULY - AUGUST

Chad

1 dead and 1 injured after altercation with police officer⁵⁷

JULY

Mali

 ${f 11}$ killed, ${f 140}$ injured and dozens arrested 56

NOVEMBER

Ethiopia

Thousands displaced, victims of sexual violence, physical abuse and extra-judicial killings by state and rebel armed forces 59

OCTOBER

Tanzania **9** killed by security forces⁵⁸

2021

FEBRUARY

Chad	1	ΥS
2 killed and five wounded ⁶⁰	•	DA
Iran	2	(S
>10 civilians killed by security forces" ⁶¹	3	DA
Niger	10	AYS
470 protestors arrested and at least 2 dead ⁶²	10	DA

OCTOBER

DAYS	1	Eswatini 2 protestors injured by security forces ⁶³
DAYS	20	Sudan
D A	30	17 people killed and over 250 injured ⁶⁴

NOVEMBER

Burkina Faso 3 protestors injured by French security forces ⁶⁵	8	DAYS
Iran Police brutality ⁶⁶	2	DAYS



To explore two recent examples in more depth, we conducted a "deep-dive" into the circumstances leading up to the internet shutdowns in Sudan in October 2021 and Iran in September 2022. In both of these examples, internet shutdowns have obscured violence and made it difficult to hold government forces accountable for abuse and killings of peaceful protestors, including children.

CASE STUDY

03

Sudan's October 2021 shutdown

Sudan has a long history of using internet shutdowns to cover up instances of state violence under former dictator Omar Al-Bashir. For example, he imposed a nationwide internet shutdown in September 2013 to cover up arrests of over 700 people and the extrajudicial killing of dozens of individuals. Even after Al-Bashir had been ousted by a military coup in April 2019, the Transitional Military Council (TMC)—headed by the Inspector of the Armed Forces General Abdel Fattah al-Burhan—continued to deploy

the same strategy, most famously in the aftermath of the tragic Khartoum massacre in June 2019. The military forces of the TMC opened fire on pro-democracy protesters and killed over 100 people, and mobile internet from providers MTN, Zain, Kanartel and Sudatel were subsequently cut, resulting in a near-total internet blackout for over one month.⁷²

After the Khartoum Massacre, the TMC and the Forces of Freedom and Change (FFC) coalition agreed on the formation of a transitional "Sovereignty Council" that would lead the country to the next elections instead of the TMC, and appointed a new Prime Minister, Abdalla Hamdok. However, two years later, on 24 October 2021—following a period of rising tensions between pro-military and pro-democracy groups—military forces arrested Prime Minister Abdalla Hamdok and other senior government figures, declared a state of emergency and announced the dissolution of the government and the Sovereignty Council. These actions were declared to be illegal and unconstitutional by the FFC, government ministries, industry bodies and international bodies.⁷³ The military also implemented a near total internet blackout, even shutting down phone and SMS services for two days ahead of a nationwide pro-democracy march planned for 30 October.⁷⁴ The Khartoum Court ordered the country's three primary telecommunications providers to restore internet access across Sudan on 11 November 2021 following a lawsuit by the Sudanese Society for Consumer Protection (SSCP), but the next day the Telecommunications and Post Regulatory Authority ordered the shutdown to remain in place in the interests of national security.⁷⁵ Eventually, internet access returned on 18 November after 25 days of blackout, with Zain and MTN the first to come back online followed by Sudatel and later by other providers.⁷⁶

During this blackout, many protesters took to the streets to protest both the military coup and the internet shutdown, which constituted a grave violation of individuals' rights to political participation through free and fair elections. Security forces responded with violence, and over 100 people were killed—including at least 18 children according to the Sudanese Doctors Committee.⁷⁷ As well as severely limiting individuals' ability to protest, therefore, the shutdown also served to obscure violations of the right to life and the right to liberty and security of person. One researcher highlighted that emergency healthcare service lines were also impacted by the blackout, impeding access to emergency services for those requiring medical assistance and disrupting the operations and communications of humanitarian organisations.

The military junta has continued to use sporadic internet disruptions to curb or limit protests since the October 2021 coup; yet local researchers have noted that the deployment of these shutdown tactics displays considerable political bias. For example, while shutdowns were deployed to quell prodemocracy protests throughout December 2021 and January 2022 and around anniversary marches in June and October 2022, when the pro-military group "Sudan People's Appeal Initiative" protested in front of the UN buildings in Khartoum in June 2022 against what they perceived to be UN interference with Sudanese domestic affairs, the military did not shut down the internet. This would suggest that military leaders are strategically using internet shutdowns to further their own interests, rather than as a genuine attempt to protect national security.

Iran's ongoing internet shutdown

Iranian authorities have been tightening their grip on internet communications and critical telecommunications infrastructure for many years through legislative and policy measures, including through the establishment of the Supreme Council of Cyberspace (SCC) and the development of the National Information Network (NIN)—a domestic and state-controlled intranet which includes a domestic video sharing platform, search engine, messaging app, email service and e-commerce apps—and by shutting down the internet during periods of protest or dissent. Previous examples of this include the nationwide shutdown implemented on 16 November 2019 in response to protests against fuel prices, during which security forces killed at least 300 people, and the regional shutdown in Sistan and Baluchistan Province in February 2021 in response to protests over the deaths of 10 people at the hands of security forces.

The most recent internet shutdown began in September 2022. On 19 September an Iranian woman named Mahsa Jina Amini was arrested and killed by police wearing her hijab "improperly", stoking longstanding frustration around the government's restrictive treatment of women, state violence and authoritarian rule.⁸³ Protests erupted around the country,⁸⁴ and in response the government ruthlessly cracked down on demonstrators, with security forces violently arresting and using indiscriminate force and live rounds against protesters.⁸⁵ During this period, while essential digital services remained largely available on the NIN, authorities severely disrupted internet services through a range of sophisticated techniques:

- Imposing curfews on mobile network operators (including Iran Mobile Communications Company (MCI), Rightel, IranCell and Mobinnet);
- Implementing **regional internet shutdowns and restrictions**, for example in Kordestan and Khuzestan provinces and in Sistan-Baluchistan;
- Blocking protocols used for transferring web data securely;
- Blocking encrypted Domain Name Systems (DNS);
- Blocking the last remaining **social media platforms** available in Iran, including Instagram, WhatsApp, LinkedIn and Skype; and
- Blocking app stores (and also limiting app store downloads of VPNs)86

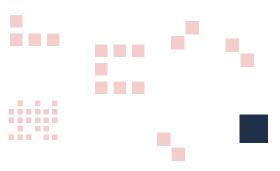
The complexity, precision and rapidity of these aggressive disruptions is largely unprecedented,⁸⁷ reportedly supported by a system called SIAM which allows authorities to remotely manipulate individual cellular connections, including throttling them or disconnecting them entirely, and to force them onto 2G networks which are more vulnerable to data hacking.⁸⁸ The internet shutdowns made it far harder

for Iranians to share evidence of and protest against police brutality and to mobilise peacefully and safely.⁸⁹ It also forced more Iranians to rely more on the less secure internet services run on the NIN—such as Iran's "super-app" Rubika or its domestic version of YouTube, Aparat—which are also prone to government interference and surveillance.⁹⁰ While the nightly curfews on mobile network operators ceased in mid-October, several of the other restrictions remained in place for some time, and app stores and social media platforms remain blocked as of January 2023.⁹¹

The mistreatment and killing of Mahsa Jina Amini in itself constitutes a grave violation of her right to liberty and security of person, right to freedom from torture and degrading treatment, right to a fair trial and right to life. Security forces have also committed grave human rights violations in response to the largely peaceful nationwide protests triggered by Amini's death. As of 16 November 2022, at least 358 protestors (including 29 children) had been killed by security forces, while authorities reportedly attempted to cover up many of the causes of their deaths by swearing their families to secrecy and pressuring medical professionals to falsify death certificates. Palarly 16,000 protestors have been arrested, and some have already been sentenced to death and publicly executed. Amnesty International has also documented extensive evidence of torture, ill-treatment and sexual violence against protestors by security forces. Iran's actions were widely condemned by the international community as violating its international human rights commitments, with many governments and coalitions calling on the authorities to end the violence and restore full internet access.

Internet shutdowns disguising violations of international humanitarian law

Internet shutdowns have also been observed in regions experiencing civil war and internal conflict in Africa and the Middle East in recent years. In Palestine, for example, Israeli forces have deliberately targeted internet and communications networks in the Gaza strip in order to restrict Palestinians' connectivity, 96 and in Yemen there is evidence of Saudi- and UAE-led airstrikes targeting core telecommunication infrastructure in Hodeidah. 97 Internet shutdowns are justified by state forces as necessary to limit the capacity of rebels or militia to organise and to fight. However, reports indicate that, in reality, internet shutdowns during periods of conflict may have covered up grave violations of human rights and of international humanitarian law, including serious war crimes perpetrated by parties to the conflict on civilians.



Ethiopia's ongoing shutdown

The ongoing internet and telecommunications shutdown in the Tigray region of Ethiopia is one of the longest and most severe shutdowns that has ever been recorded, with some areas of the region having had no internet access for over two years.

On 3 and 4 November 2020, armed forces loyal to the Tigrayan People's Liberation Front allegedly attacked government bases in the Tigray region. In response, the federal government issued a state of emergency, suspended all government services, and deployed regional and national military forces along with the Eritrean Defence Force (EDF).⁹⁸ From 01:00 am local time on 4 November 2020, internet and telecommunications services for the Tigrayan region—including broadband, mobile internet and phone lines—were cut off,⁹⁹ resulting in a near total communications blackout. Some of these services were restored in parts of Tigray in the following weeks and months;¹⁰⁰ but frequent electricity cuts also prevented even those with intermittent signal or internet access from communicating outside of Tigray.¹⁰¹ In June 2021, as the Tigrayan Defence Force (TDF) retook large areas of Tigray and the Ethiopian National Defence Forces (ENDF) were forced to retreat, the federal government again disconnected telecommunications and electricity infrastructure, and since then internet and communications access has continued to be sporadic or non-existent.¹⁰²

Despite its tight control over internet and telecommunications infrastructure, ¹⁰³ the federal government has repeatedly denied responsibility for these shutdowns, claiming that the disruption is due to cyber attacks or due to Tigray forces damaging core telecommunications infrastructure such as power sources or fibre optic cables.¹⁰⁴ International investigations, however, have indicated that it was in fact the Federal government which suspended internet and telecommunications services in November 2020 and June 2021, and sought to suppress communications about the conflict through other means as well.¹⁰⁵ A peace agreement was made between the federal government and the TPLF in November 2022, and authorities have begun to make efforts to restore access to telecommunications and other essential services throughout the Tigray region; but progress is slow, and internet access remains sporadic and limited for many in the region.¹⁰⁶

The internet shutdown has had a multifaceted and devastating effect on the civilian population. An Ethiopian correspondent described the "layered" impacts of the shutdown as follows:

1. Crippling existing community systems, including education, healthcare, business, banking and other systems critical for everyday life;

- 2. Depriving individuals from the opportunity to prevent, monitor, report, corroborate or initiate responses to reported atrocities, making it nearly impossible for victims to seek accountability and allowing those with mandates and power to respond to remain silent;
- 3. Facilitating the weaponization of misinformation, disinformation and propaganda, including extremist narratives and hate speech targeting the Tigrayan population which incited further violence:
- **4.** Eroding social connections both within Tigray, and between Tigray and the rest of the country and the world, making it harder to raise awareness of the state of affairs in the region among international journalists, investigators, the diplomatic community, and the international community.

"We would hear about atrocities but we could not amplify it because we could not corroborate. It was impossible to get timely information." ~ Ethiopian human rights defender.

Through in-depth investigations with the Ethiopian Human Rights Commission published in November 2021 and September 2022, the United Nations Office of the High Commissioner for Human Rights has found evidence that all sides to the conflict have perpetrated grave violations of international law, including extrajudicial killings and executions, torture, arbitrary detention, destruction of property, "staggering" levels of sexual and gender-based violence, and forcible displacement of civilians. ¹⁰⁷ These incidents constitute severe violations of the right to life and right to freedom from torture and degrading treatment, and some constitute violations of international humanitarian law governing non-international conflicts. UN investigators also found reasonable grounds to believe that some of these incidents were severe enough to constitute crimes against humanity and war crimes under international law. ¹⁰⁸ The destruction of essential infrastructure and services has also dramatically increased food insecurity and disrupted the work of emergency humanitarian services, posing further human rights risks to civilians caught up in the conflict. ¹⁰⁹



2. IN WHAT CONTEXTS ARE GOVERNMENTS MOST LIKELY TO SHUT DOWN THE INTERNET TO COVER UP HUMAN RIGHTS ABUSES?

It is clear that a government which is actively committing or condoning human rights violations is less likely to be concerned as to whether or not citizens have access to the internet, and therefore such governments are more likely to shut down the internet to evade accountability. However, beyond this

basic correlation, our research indicates that there are a number of additional factors which increase the likelihood of a government using an internet shutdown to cover up its human rights abuses.

Factor 1: History of state control over information ecosystems

Many of the governments which choose to implement internet shutdowns see them as a logical continuation of a longstanding history of state control over press, journalism, and civic spaces in general. Countries with autocratic or long-serving governments, who have continually manipulated the flow of information in their favour even before internet technologies were widely adopted by their populations, have been found to be more likely to shut down the internet. These circumstances tend to coincide with minimal checks and balances and weak rule of law, meaning that technologies which are generally deployed proportionately by democratic governments are more likely to be misused in these states for the purposes of disrupting or interfering with internet communications. This is clearly observed in the case of deep-packet inspection technology, used by many democratic states for the purposes of detecting child abuse alongside multiple checks and balances, but increasingly deployed by authoritarian states to prevent users from accessing certain sites and internet services which host dissenting or critical political speech.

Factor 2: An enabling regulatory environment

Many countries in the Middle East and Africa regions have passed laws or regulations which provide "legal" means of shutting down the internet or taking over telecommunications platforms in the interests of national security or public order, or to fight terrorist, cybercrime or hate speech. Examples from the MENA and SSA regions include Egypt's 2003 Telecommunications Regulation Law; The Democratic Republic of Congo's 2002 Telecommunications Framework Law; and Turkey's 2014 Regulation on Information and Communication Technologies. Sovernments also sometimes claim a legal basis even where one is not clear; for example, Ethiopian authorities have claimed that the 2013 Law Re-establishing the Information Network Security Agency provides the Agency with the power to cut internet access for national security purposes, even though this is not stated anywhere in the law.

Box 2 The International Telecommunications Union

Some states have argued that Articles 34 and 35 of the Constitution of the International Telecommunication Union (ITU) provide a legal basis for internet shutdowns, as these articles permit states to cut off telecommunications services where they "may appear dangerous to the security of the State or contrary to its laws". ¹¹⁷

The UN Special Rapporteur on the Rights to Assembly and Association has stated that interpreting these provisions of the ITU Constitution (which predates internet communications) as permitting internet shutdowns contravenes human rights norms and standards, as well as the ITU's own values and commitments. The Special Rapporteur has further called upon the ITU to issue guidance clarifying that "these provisions should never be understood as authorising internet shutdowns." ¹¹⁸

Factor 3: An enabling infrastructural environment

It is easier for a state to impose an internet shutdown where a greater proportion of the core infrastructure which underpins internet technologies is already under the state's control. Many governments in the MENA and SSA regions have sought to centralise fundamental telecommunications infrastructure and expand their control over private telecommunications companies. For example, in Ethiopia the state-controlled Ethio telecom was historically the sole access provider in the country, only recently joined by Safaricom.¹¹⁹ And, while Iran did decentralise its control over national internet gateways after 2019,¹²⁰ it retains an incredibly tight grip on the practices of internet service providers through a multiplicity of other measures, such as through the SIAM system (see Case Study 4). This highly sophisticated and granular level of control over internet access is unprecedented.

Box 3 The complex role of telecommunications companies

The focus of this research paper is on how *states* are using internet shutdowns to cover up human rights abuses. Yet telecommunications companies play a complex role in enabling such government-mandated shutdowns to take place. Under the UN Guiding Principles on business and human rights (UNGPs), private entities are required to respect human rights and to conduct due diligence around the human rights impacts of their operations and business decisions, and shutting down internet services clearly runs contradictory to these responsibilities. However, companies are also subject to local laws and contractual obligations, and in many cases governments have threatened to close operations or arrest telecommunications company staff if the company does not comply with shutdown orders.¹²¹

Many telecommunications companies maintain close relationships with authoritarian governments in order to facilitate smoother business operations. For example, many members of the boards of directors of such companies in authoritarian developing countries are wealthy elites who themselves have benefited from the incumbent regime.¹²² There may be little appetite or motivation, therefore, for such companies to oppose or push back on government demands, even where customers or international shareholders are demanding more accountability.¹²³

While telecommunications companies and their shareholders are not responsible for a government's authoritarian practices and cannot be expected to solve existing human rights issues beyond their business operations, they can take steps to improve their human rights due diligence around internet shutdowns and to be more transparent when such incidents do occur. Telecommunications companies can, and should:

- Require governments to provide legal justifications for authorisation of a particular shutdown;
- Publish correspondence wherever possible and be transparent about actions taken in response to government demands;
- Work in coalitions to challenge and push back against shutdown restrictions.

Perhaps the most detailed guidance and framework for how telecommunications companies should respond to shutdown requests in accordance with human rights principles has been developed by the Global Network Initiative (GNI). The GNI Principles include commitments for telecommunications companies relating to freedom of expression and privacy, responsible company decisionmaking, multi-stakeholder collaboration and governance, accountability and transparency. These are accompanied by extensive Implementation Guidelines, which detail how companies should balance risks to staff members against human rights concerns and what human rights due diligence processes should be in place to manage internet shutdown requests. GNI member companies are assessed regularly for their consistent implementation of these principles with improvements over time.

Factor 4: An existing history of internet shutdowns

States which have already shut down the internet several times are more likely to do so again. Only three of the 25 countries in the MENA and SSA regions that shut down the internet in 2016 have not shut it down for a second time since the 2016 incident. Discussing a spate of recent internet shutdowns in Burkina Faso, Felicia Anthonio of Access Now pointed out that "once a government flips the kill switch, they gain the confidence to do it again". The history of internet shutdowns also does not seem to be tied to an individual leader or political party, as even leaders who have taken over after long-standing heads of state are ousted or overthrown have continued to shut down the internet, including Buhari in Nigeria, Ahmed in Ethiopia, Sall in Senegal and Al-Sisi in Egypt. This would indicate that temptation to shut down the internet based on precedent is grounded institutional and infrastructural factors, as well as perhaps a perceived lack of consequences for previous internet shutdowns.

Factor 5: Political instability or conflict

Political instability and conflict tend to coincide with internet shutdowns in the MENA and SSA regions. The recent UN report on internet shutdowns stated that:

"Almost half of all shutdowns recorded by civil society groups between 2016 and 2021 were carried out in the context of protests and political crisis, with 225 shutdowns recorded during public demonstrations." 128

In extreme cases, where a non-state group is making a grab for power through a coup d'état, states of emergency are common and rule of law is jeopardised. In Burkina Faso, both internet access and radio channels were cut for nearly two days after the coup against President Kaboré, when military leader Paul Henri-Damiba dissolved the country's parliament, government and constitution, closed national borders and imposed nationwide overnight curfews. Amid such extreme information disorder and contestation of legitimacy, and where democratic principles have already been firmly violated, an internet shutdown may be particularly appealing for emerging political leaders hoping to quickly consolidate their power and suppress dissent.

Non-factors

It is also worth noting a few circumstances which, while seeming likely to discourage the use of internet shutdowns, do not appear at present to be having this effect (bearing in mind that it is difficult to measure what would or could have taken place had these circumstances not been at play).

First, despite a wealth of guidance at the international and regional level articulating why internet shutdowns violate human rights and are impermissible under international human rights law, states which have ratified core human rights treaties continue to utilise internet shutdowns at will. This is either because the link between internet access and enjoyment of human rights is still not well understood, or because it is well understood but continually disregarded by governments.

Second, despite the lack of evidence to support the claim that internet shutdowns are effective in curbing protests or preventing riots, violence or the spread of misinformation, governments continue to implement them in the interests of "public safety" and "national security". While it may indeed become more difficult to organise mass protests without internet access, demonstrators are often able to find ways around the shutdown. Indeed, a shutdown may, paradoxically, have the effect of forcing more people into the streets in order to exchange information or have their voices heard. In Sudan, for example, despite the prolonged internet shutdown in 2019, protesters continued to demonstrate peacefully in the streets; and in some cases internet disruptions have been shown to precede escalations in violence when people become frustrated with prolonged information disorder and/or believe that they can act with impunity. Either governments are unaware of the potential risks of inciting violence when ordering an internet shutdown, or they are aware but continue to use narratives of national security and reducing violence as an excuse.

Third, as internet connectivity rates increase, so too do the costs of implementing shutdowns, because a greater proportion of GDP generation relies on internet technologies.¹³⁰ However, many wealthier governments are increasingly able to circumvent this through more sophisticated and complex shutdown techniques (see Factor 4: an enabling infrastructural environment). For governments without the resources for such infrastructure, connectivity rates are generally lower and therefore the cost of implementing a shutdown is less prohibitive in the first place.

3. HOW CAN CIVIL SOCIETY, GOVERNMENTS AND INTERNATIONAL ORGANISATIONS BEST ADVOCATE AGAINST INTERNET SHUTDOWNS IN AFRICA AND THE MIDDLE EAST?

There are a great many tools and initiatives to mitigate internet shutdowns and to help users to regain access or circumvent restrictions where possible. These have been explored in detail elsewhere.¹³¹ The focus of this section is on advocacy strategies at both the domestic and international level which may be useful for ending or preventing internet shutdowns.

Domestic Efforts

Run campaigns and coalitions

Domestic campaigns can be effective in calling the government to account for an internet shutdown. This may be easier when a shutdown is regional and therefore the campaign can be coordinated by groups in other parts of the country. For example, Internet Sans Frontières developed a campaign in early 2019 around the hashtag #Maalla_Gatétou to enable Chadian activists to call attention to the country's frequent shutdowns. Tigrayan activists around the world have also used the hashtag #ReconnectTigray to draw attention to the ongoing two-year long shutdown happening in Ethiopia's Tigray region. Creative suggestions from researchers for effective domestic campaigning on this topic include:

- advocating for the creation of a national digital rights organisation;
- maximising the financial cost of a shutdown by advocating for reimbursement for affected subscribers;
- maximising the reputational costs of ordering or participating in shutdowns, for example through "naming and shaming" lists or coordinated boycotts; or
- highlighting the technical and security risks of internet shutdowns for network protocols and internet routing.

Document human rights abuses during a shutdown

When a shutdown is taking place, it is vital to continue to document the human rights abuses that it may be obscuring, both to ensure that shutdowns are not seen as effective means of silencing dissent and evading accountability by the government in the future, and to ensure that victims are able to call perpetrators to account. Useful tools for this include Advocacy Assembly and Witness' "Documenting Human Rights Violations During Internet Shutdowns" course¹³² and Optima's Internet Shutdowns Resource Library.¹³³ The International Committee of the Red Cross has also established a phone hotline in Tigray to help affected individuals communicate with their loved ones and share their stories of what has happened to them.¹³⁴

Push the government to commit to not shut down

For states which have only used shutdowns sporadically, pushing in advance for public commitments not to shut down the internet around politically sensitive periods like elections has proven an effective strategy. For example, Kenyan and Ghanaian authorities have publicly committed to not shutting down the internet ahead of elections. Even partial commitments may go some way to discouraging further internet shutdowns; for example, the Zambian Information and Communication Authority agreed in March 2022 not to act outside its legal authority to interrupt access to the internet, and to inform the public of the reason for any internet shutdown within 36 hours of implementation in the future. ¹³⁶

Strategically litigate against shutdowns

Disputing the legality of an internet shutdown before a national or regional court has proven effective in certain countries in recent years. For example, ECOWAS the Community Court of Justice ruled in 2020 that the Togolese internet shutdown during general elections in 2017 was unlawful, in response to a lawsuit filed by Amnesty International Togo and other applicants.¹³⁷ The Court ruled that access to the internet should be protected by law, regardless of "national security concerns", and ordered Togo not to shut down the internet again. Additionally, in 2022 the Court declared the seven months long Twitter shutdown in Nigeria in 2021 unlawful following a lawsuit against the Nigerian government by Nigerian civil society organisations, including the Socio-Economic Rights and Accountability Project (SERAP) and Paradigm Initiative.¹³⁸

Litigation has also proven an effective tactic in Sudan, where—despite the absence of a specific law on shutdowns—telcos are obliged by their subscriber contracts to maintain their network connections. Based on this, a lawyer sued his mobile network provider for cutting off his access during the June 2019 shutdown, and was successful in restoring his own internet access. He then filed a class action suit, and the court again ordered in his favour, ordering MTN, Sudani and Zain to restore services for all their customers.¹³⁹

Reviewing several of these strategic litigation cases, the African Internet Rights Alliance highlight that the success or effectiveness of such an approach will depend on multiple factors, including:

- · capacity and resourcing constraints of the complainants;
- the independence of national and regional courts;
- the effectiveness of national, regional and international human rights frameworks;
- opportunities for engagement due to locus standi and the exhaustion of local remedy requirements (before regional courts/mechanisms);
- the capacity of judicial officers, including their knowledge of digital rights issues;
- · the enforceability of judicial pronouncements;
- · the time taken to determine the case;
- the degree of collaboration between activists, CSOs, lawyers and concerned citizens. 140

Encourage decentralisation of telecommunications infrastructure

Where possible, encouraging a greater diversity of private and non-state actors within the telecommunications infrastructure of a country may provide greater protection against government-mandated shutdowns, or at least increase the inconvenience of imposing one. This will strongly depend on the national regulatory framework surrounding telecommunications providers and internet services; but new and emerging technologies may also offer new options for more decentralised internet access through connection sharing. Access Now point out that technologies such as Starlink, Amazon's Sidewalk protocol, the Helium Network and distributed Virtual Private Networks (VPNs) reduce the expense of deploying internet access infrastructure and, if adopted, could potentially reduce a government's control over individuals' internet access.¹⁴¹

Box 4 Who to target with advocacy efforts?

Depending on the context, different actors may hold different degrees of influence over a government contemplating implementing or continuing an internet shutdown.

Where a country has a strong and independent judiciary, strategic litigation may be a particularly effective means of holding the government to account. Within governments, different departments may be more receptive to advocacy from civil society; for example, Ministries of Health or Education may be more aware of the damage and disruption that internet shutdowns may cause to citizens, and could raise these issues with the executive branch. Some countries have strong national human rights institutions, or individual political leaders or parties which may be active on these topics and able to platform civil society concerns.

In some cases, domestic institutions may provide virtually no recourse to redress or assistance to victims, in which case international mechanisms—such as the Human Rights Council's Universal Periodic Review (UPR) or Special Experts processes—may be more able to apply external pressure. While in MENA there is no regional human rights mechanism, the African Commission on Human and People's Rights may also issue statements or guidance on issues affecting member states, and other regional bodies can introduce resolutions and set precedents within their own jurisdictions and continue to draw attention to the human rights impacts of internet shutdowns globally.

While individual private sector actors may not be able to effect change or influence a government's decisions, industry coalitions may carry more weight. It is also important to educate citizens on their rights in relation to internet shutdowns and to encourage them to raise awareness and advocate against shutdowns through local political processes.¹⁴²

International efforts

Pressure the government from the outside

In some cases, individual countries have issued statements on internet shutdowns occurring in Africa and the Middle East, condemning their use and calling for internet access to be restored. For example, in 2019 the US government criticised Cameroon's internet shutdown in the Anglophone region and called on the Cameroonian government to respect the rights of their citizens. It international and multilateral organisations have also jointly condemned internet shutdowns; for example, the 36 member states of the Freedom Online Coalition recently issued a joint statement calling on the Iranian government to "immediately lift restrictions intended to disrupt or prevent their citizens from accessing and disseminating information online and from communicating safely and securely." The European Union also issued a statement condemning the Iran shutdown for "blatantly violat[ing] freedom of expression." Such international pressure is also a focal point of some campaigns—for example, in addition to coordinating joint letters to the Ethiopian government on the Tigray internet shutdown, Access Now have also organised a coalition calling on the African Union to denounce it and demand that authorities restore access immediately.

In some cases, even multinational companies have weighed in publicly. Twitter's Public Policy Team, for example, raised concern over disruption to internet services observed in Tanzania in October 2020, and has expressed support for the #KeepltOn campaign. Orange also publicly criticised the use of internet shutdowns in Guinea in October 2020. The international shareholders of local telecommunications companies may also be able to exert pressure on the local government, and can also push for greater transparency from the company on compliance with internet shutdown orders in line with ESG investment principles.

Clarify the international legal framework

Recent reports by the UN Human Rights Council have provided concrete guidance and standards on the human rights implications of internet shutdowns.¹⁵¹ The 2022 report from the OHCHR, for example, recommended that:

"Given their indiscriminate and disproportionate impacts on human rights, States should refrain from the full range of Internet shutdowns. Blanket shutdowns in particular inherently impose unacceptable consequences for human rights and should never be imposed.¹⁵²

In Africa, too, regional guidance on the human rights implications of internet shutdowns is also available.¹⁵³ There is a continued need to sensitise policymakers to this guidance and potentially to build their capacity and understanding of the human rights impacts of shutting down the internet. The ITU should also issue guidance clarifying that the Constitution should not be interpreted to authorise the use of internet shutdowns (see Box 2).

Make the case for an open, safe and secure internet

The deeper trend of digital authoritarianism underpinning the rise of internet shutdowns requires consistent and sustained engagement and advocacy for a more open and democratic model of internet governance. Many global forums are seeking to build consensus around the need for an open and secure internet and to condemn politically motivated interference with information and communications technologies, as evidenced by the G7 statement on open societies, 154 the US-led Declaration for the Future of the Internet (which has been backed by over 60 countries), 155 and the African Union's Declaration on Internet Governance and Development of Africa's Digital Economy. 156 Other multistakeholder initiatives are also contributing to this work. For example, civil society groups developed the African Declaration on Internet Rights and Freedom in 2014; 157 and the UN's Internet Governance Forum recently established a Policy Network on Internet Fragmentation. 158

The Freedom Online Coalition's Task Force on Internet Shutdowns has also developed extensive resources and guidelines for its 36 member states for diplomatic engagement on the topic of internet shutdowns, including providing tools, messaging and good practices. ¹⁵⁹

Support those working to document internet shutdowns

A number of organisations work to detect and report the prevalence of internet shutdowns around the world. Verifying and confirming user reports of shutdowns through telemetry and monitoring techniques play a vital part in holding governments to account. This work requires continued resourcing and is strengthened by transparent collaboration within and between monitoring organisations, private sector actors and on-the-ground reporters.

Notes

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- There is no clear definition of which countries are included in the MENA Region, but it is typically considered to include at least Algeria, Bahrain, Djibouti, Egypt, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Libya, Malta, Morocco, Oman, Qatar, Saudi Arabia, Syria, Tunisia, the United Arab Emirates, Palestine, and Yemen. For the purposes of this paper, we also include Mauritania, Somalia, Sudan and Turkey in the group referred to as "MENA".
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- 8 Ryzdak notes that network resilience is generally higher if more domestic telecommunications service providers have direct connections to foreign providers at international internet gateways. See Jan Rydzak, Disconnected: A human rights based approach to internet shutdowns (Global Network Initiative, 2016) p.8.
- 9 Several research participants pointed out that different internet shutdown techniques will impact groups within different—and often discriminatory—ways. One noted that the young, insecurely housed or financially disadvantaged are more dependent on mobile internet connections,

- whereas large companies and those that are wealthy can afford WiFi access. An internet shutdown which cuts mobile internet access, therefore, will adversely impact those that are already disadvantaged on other metrics. Another noted that the economic shocks provoked by internet shutdowns are felt over long periods of time, "greatly exacerbating pre-existing social and economic inequalities".
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