

Internet Shutdown Protocol

1. Preliminary Shutdown Evidence

An outage alert is triggered on a measurement dashboard

IODA

Cloudflare

OR

A censorship event is identified by a partner organization

AccessNow

civil society organizations

OR

A censorship event is expected due to a political event

mobilization

election

coup

2. Gather Details

The measurement team investigates their data for the scope* of the outage



duration

geography

networks

If measurement data indicates disruption:

3. Validate with Partners

Share data with partner organizations* for validation via Signal, Slack, Email



CSOs

measurement groups

If disruption is validated by partners:

4. Share Confirmed Info

If validated, gather socio-political and measurement details for confirmed disruption details

protest

civil unrest

exam-related

Share with Internet Freedom Community and broader public via social media, secure messaging, Slack, KIO listserv

5. Circumvention Analysis

Identify networks unaffected by shutdowns that would allow circumvention.

Repeat analysis as necessary based on evolving censorship practices



The Internet Outage Detection and Analysis (IODA) Project

The IODA Project is a public dashboard that measures Internet connectivity and detects Internet outages worldwide in near realtime.

ioda.live

ioda-info@cc.gatech.edu

[@IODA_live](https://twitter.com/IODA_live)

[@IODA](https://www.instagram.com/IODA)

How to monitor Internet connectivity and track shutdowns with IODA



What is Internet connectivity?



Internet connectivity refers to the connectivity of the Internet's infrastructure.

If a network is having trouble connecting to the global Internet, its connectivity signals will show a disruption or irregular behavior. This may indicate an outage.

Outages can be caused by:

government shutdowns

fiber cuts

power outages

misconfiguration