

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.

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How to monitor
Internet connectivity
and
track shutdowns
with IODA



 IODA |  Georgia Tech

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