Submarine Cable Status Map Experiment

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The problem

- There is not a single place where near real time operational status for submarine cables are displayed
  - Some operators might be displaying fiber cut info in their pages
- Many cables to report and too much to coordinate
- Possible security concerns
- Marketing
Why?

• If you are buying submarine cable capacity it is not a problem because you are being notified about outages by your provider already (At least I hope you do :)

• If you simply buy transit, you do not know about what possibly is impacting your performance (your provider’s fail over path might not be the best path)

• Lack of visibility for engineers as they troubleshoot

• Cool thing to display in offices, NOC walls, etc.
How?

• Create a platform where anyone authorized (volunteers) can have access to system to add/change status (or approve add/change status requests)

• Ensure data is accurate

• Ensure map access granted after a verification process

• Pretty similar to PeeringDB’s approach
Challenges

• Overwhelming amount of feature suggestions (Thank you!)

• Governance and sustainability of the service

• Data and Clean up

• Funding and prioritization
Todo (or not Todo)

- How about non-subsea routes?
- Decide governance model and proceed accordingly
- Get list of feature requests and work on prioritization
- Based on available funding and prioritization improve the map and deliver features
- API for Integration, Github integration.
- Possibly create different maps!
  - Available capacity, future looks of subsea networks…
Telegeography Data
Demo

https://map.kapany.net
Thank you

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