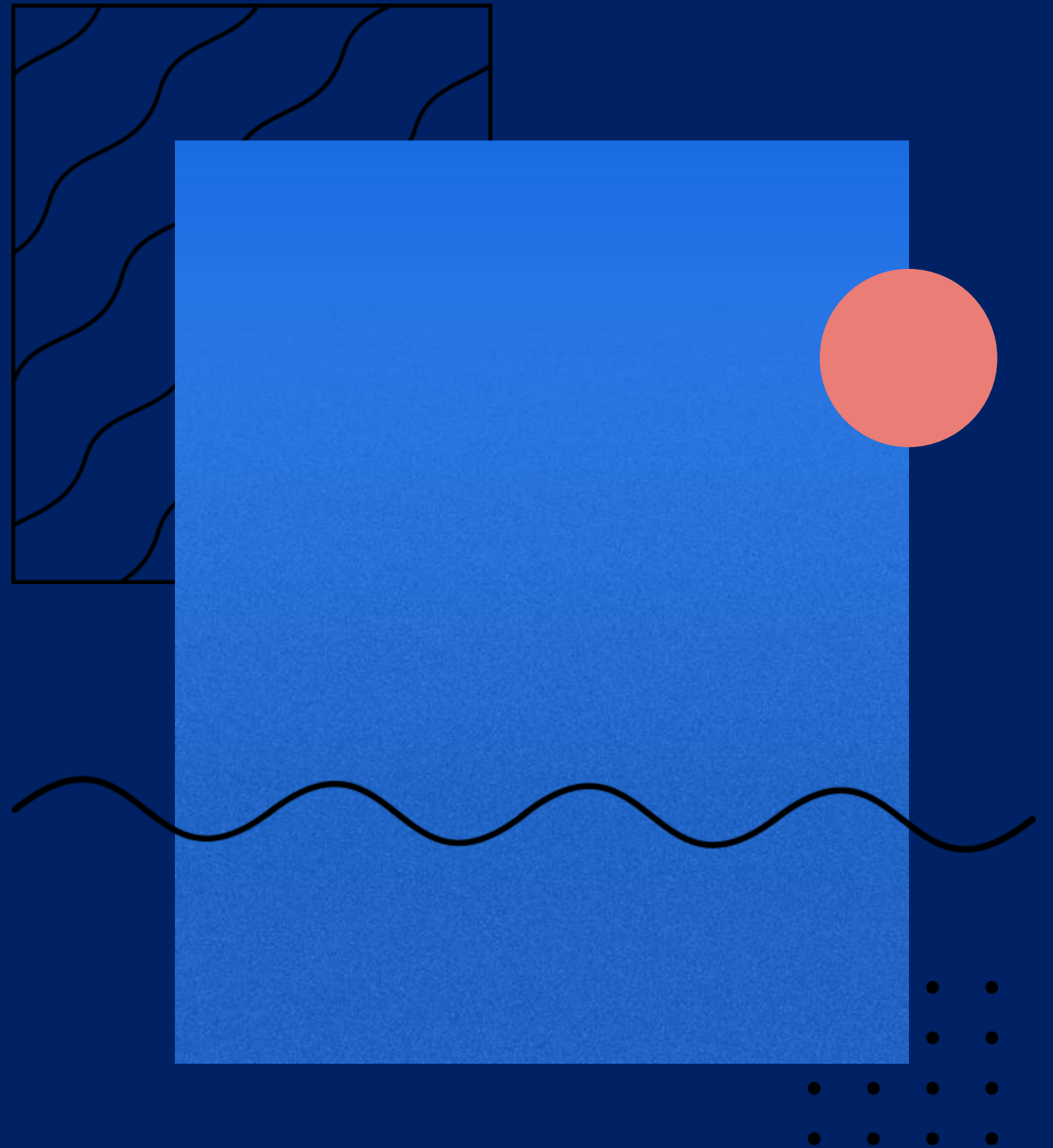


# Registry Maintenance Notifications for EPP

9. Registration Operations Workshop – June 2020





# Tobias Sattler

CTO united-domains

Vice-Chair ICANN Registrar Stakeholder Group

Co-Chair ICANN CPH TechOps Group

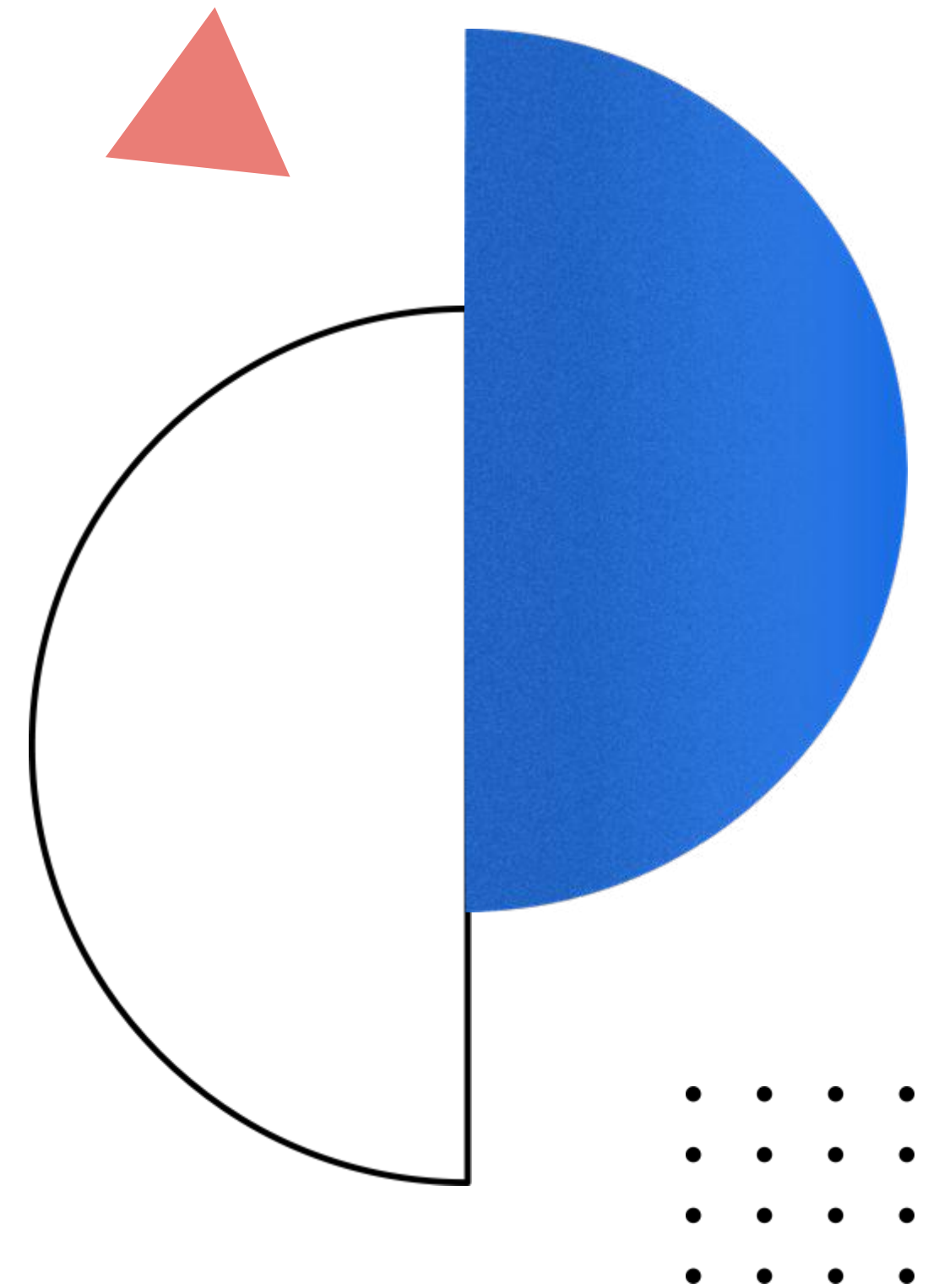
<https://tobiassattler.com>

# A long way of learning

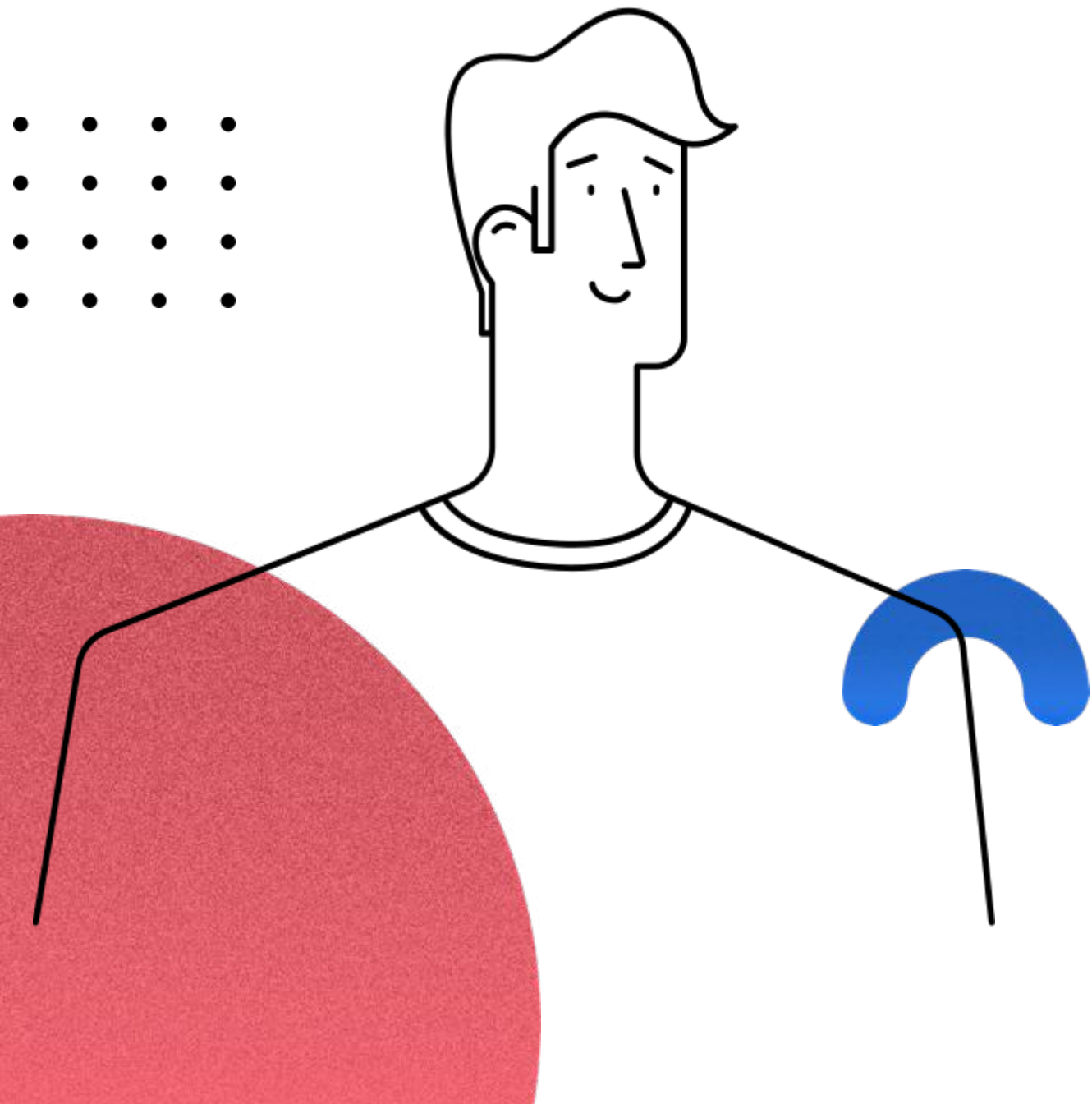
When I started in the domain name business in 2008, I thought that everything was fine as it was.

In the following years, however, I learned that many processes could be optimized.

Notably, the introduction of the new domain extensions in 2014 and subsequent years showed that the existing processes and practices were outdated.



# How to improve it?

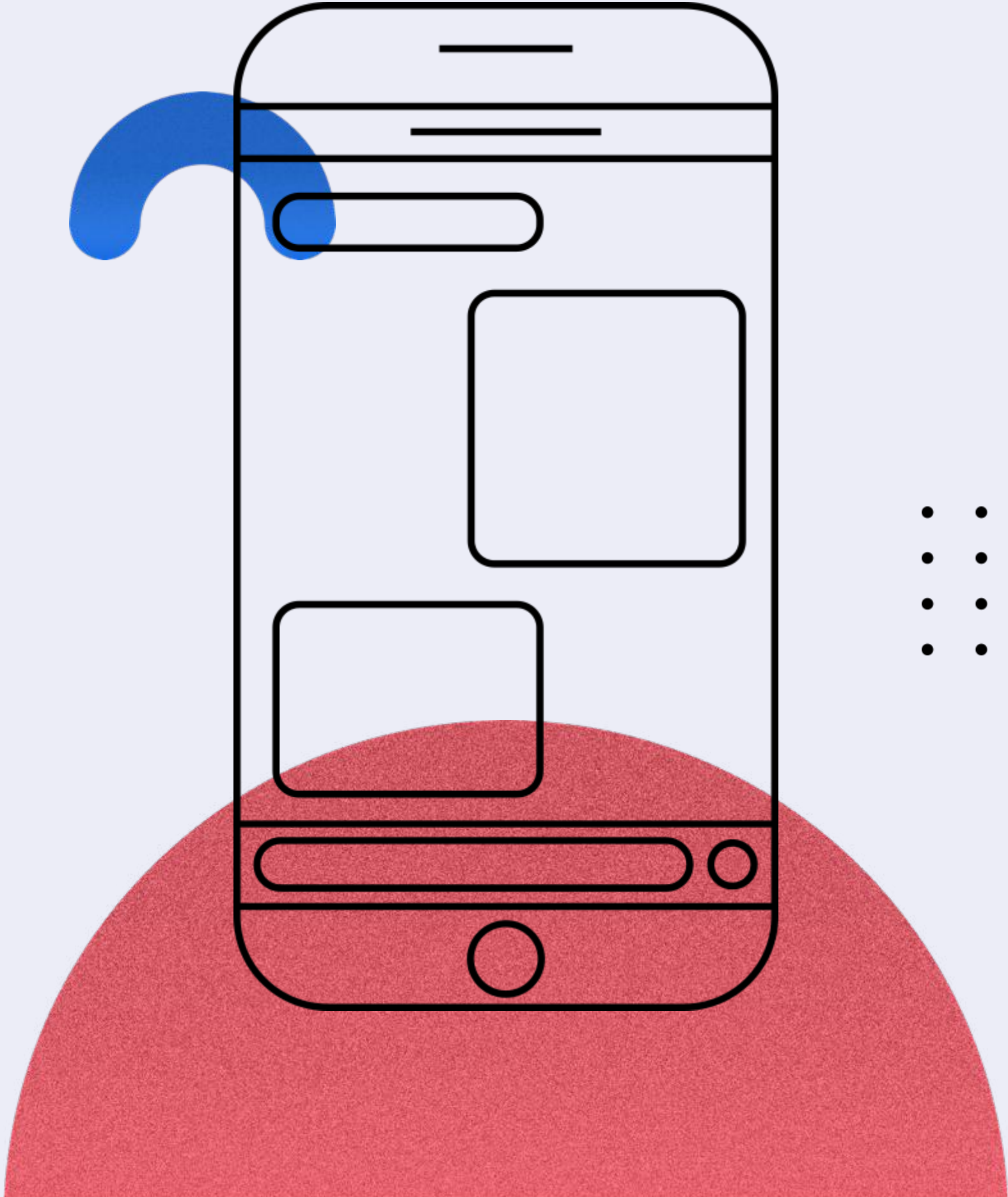


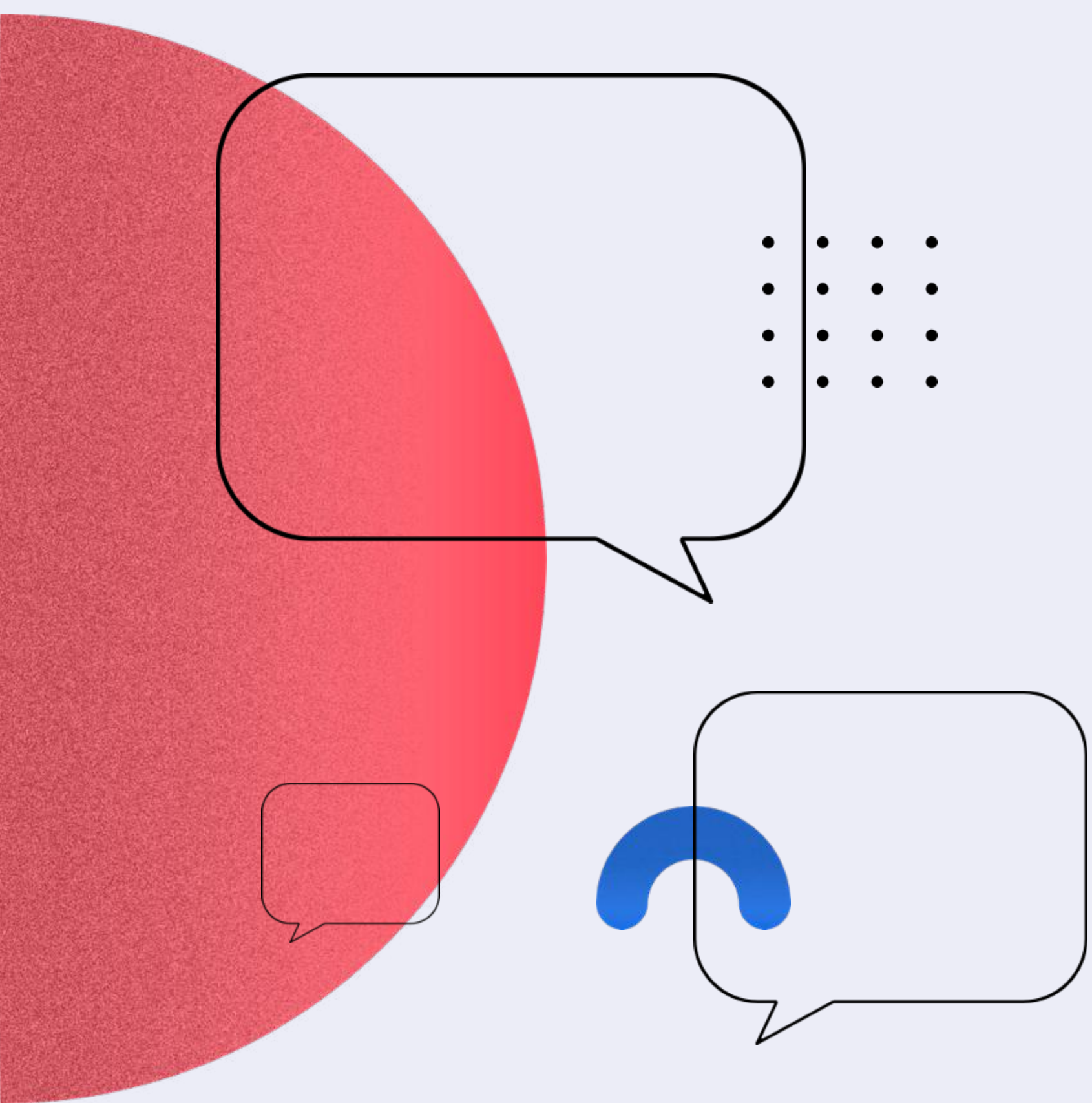
In April 2017, the Registrar Stakeholder Group initiated the TechOps sub-committee to address technical and operational needs.

In this process, it became clear that a joint initiative with the Registry Stakeholder Group is necessary to bring the ideas to life.

In September 2017, we kicked off the CPH TechOps group with our first joint meeting.

Communication  
is central  
to how we work.





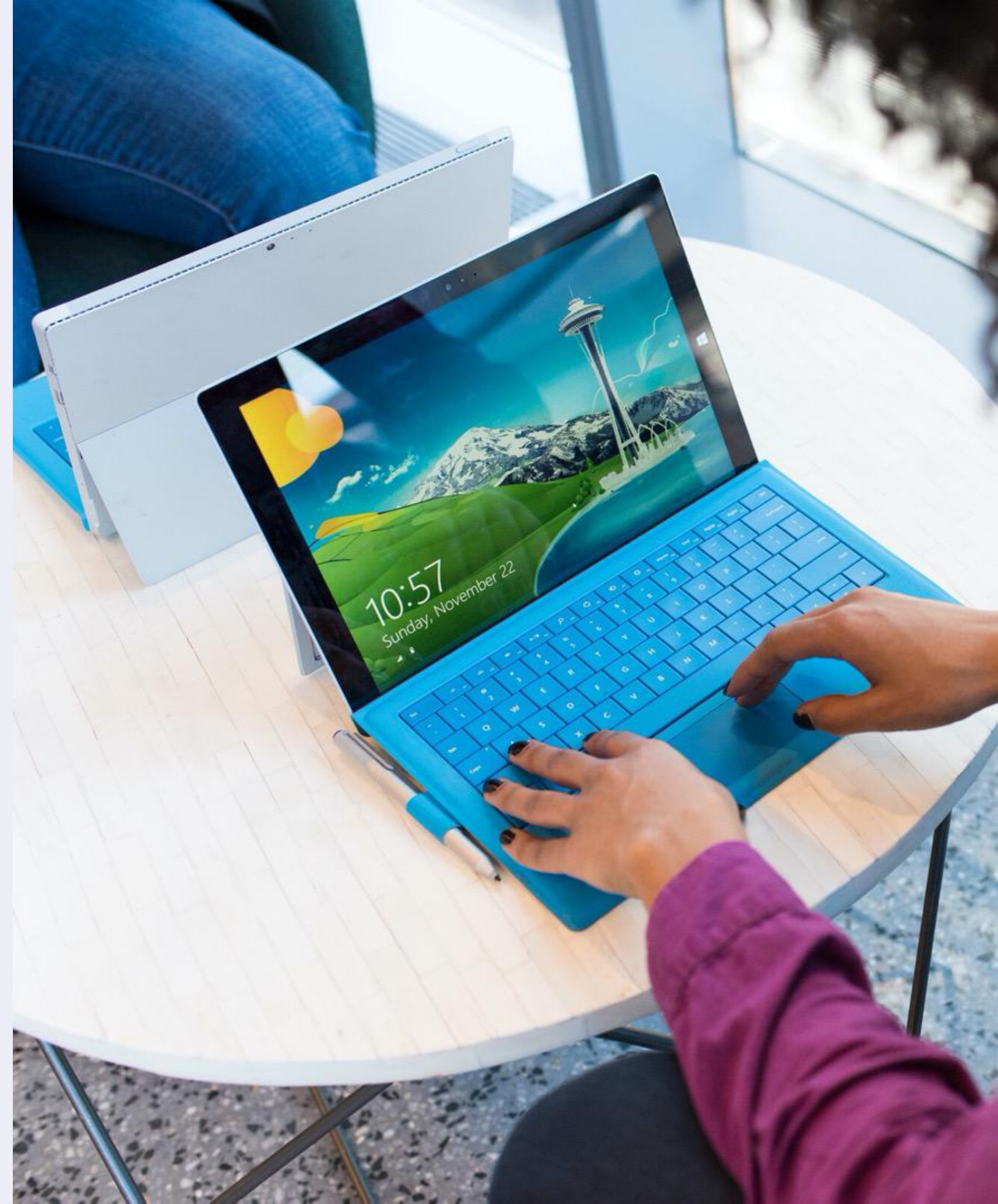
# Registry Maintenance Notifications

# Lots of emails

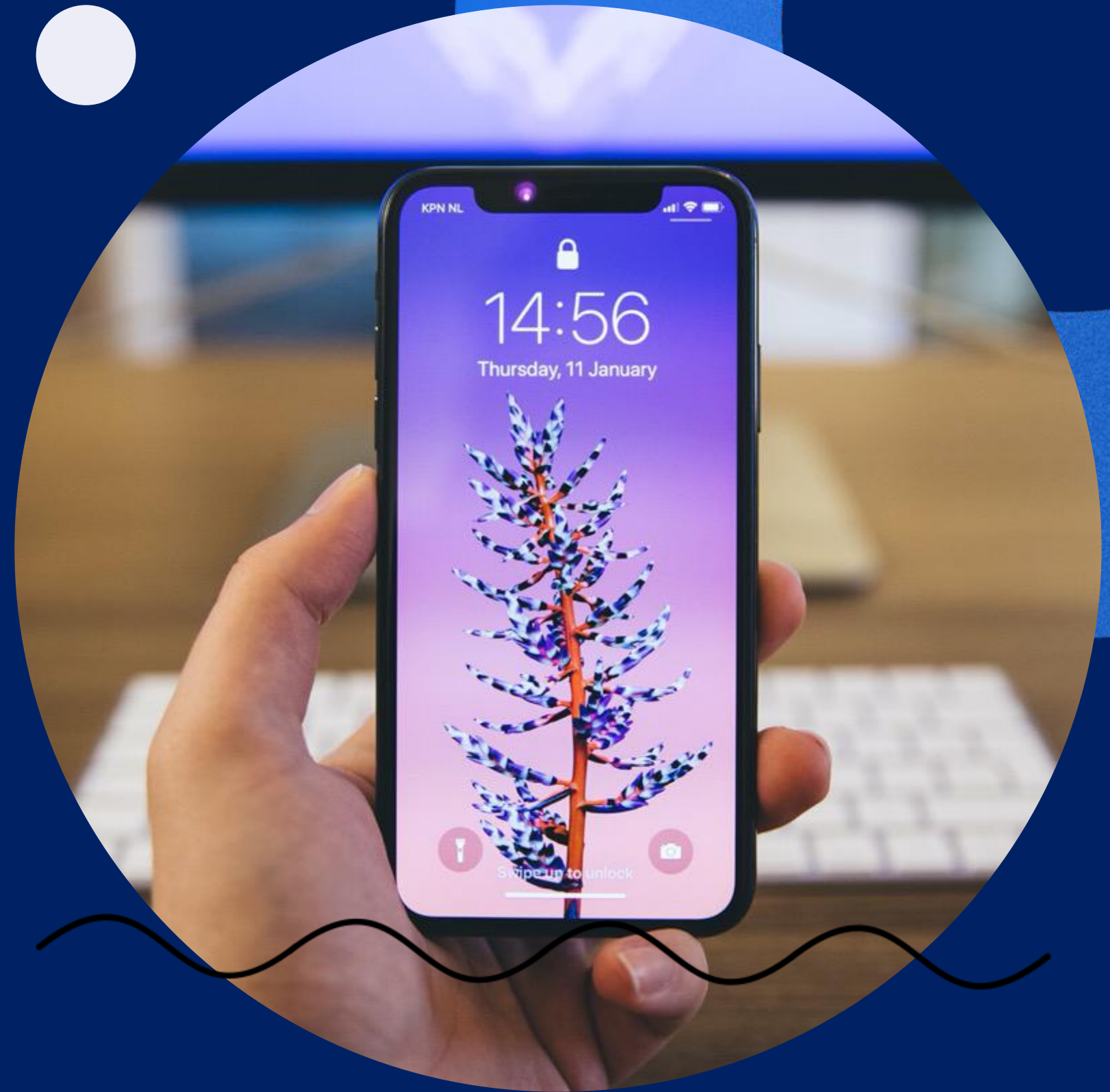
As a registrar, you will get lots of emails in different formats about upcoming registry maintenances.

How do we digest them?

Someone has to look at them.



But you can't  
expect things to  
stay the same.





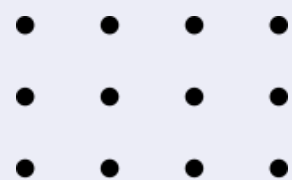
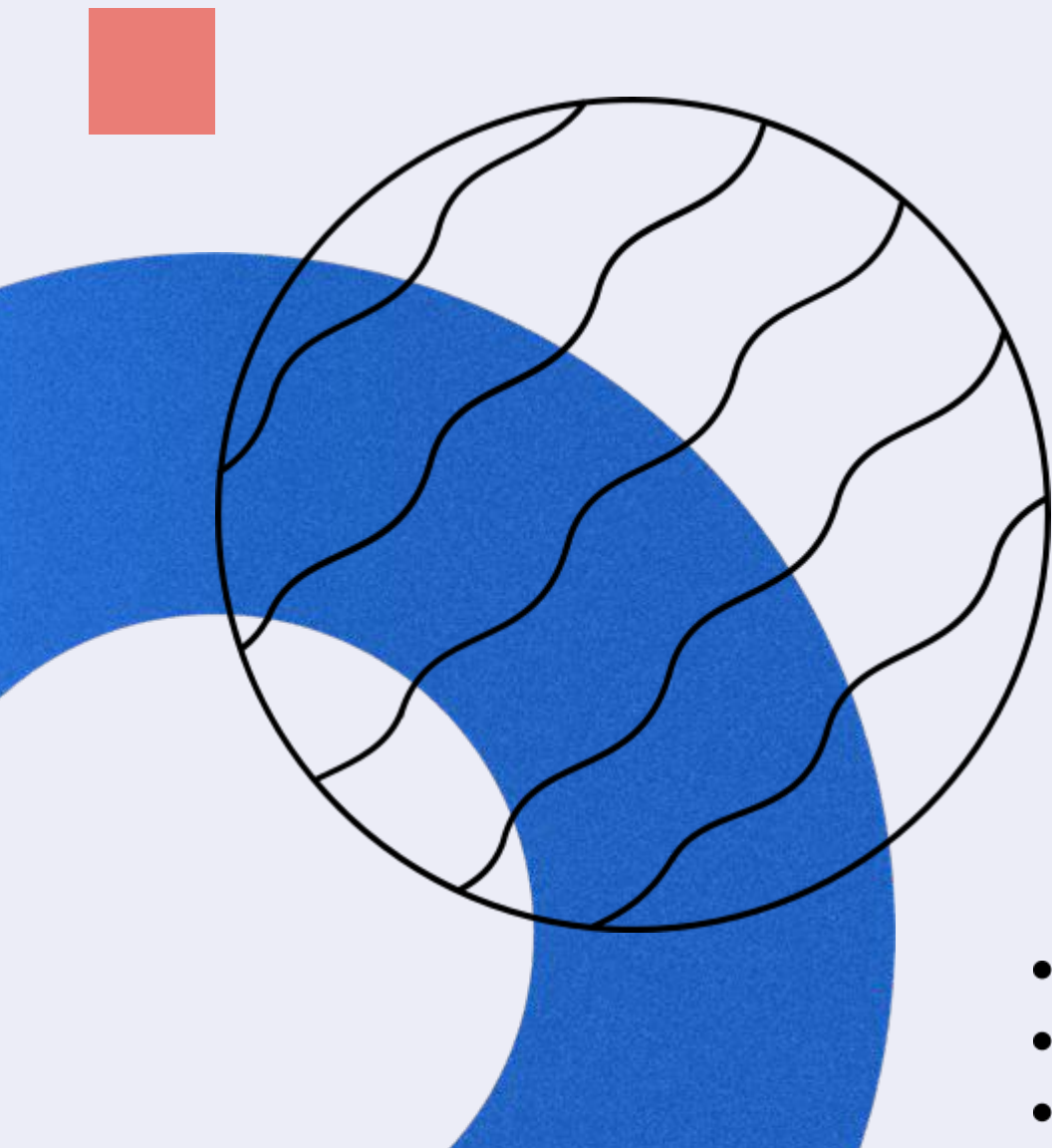
# Automation is needed

The CPH TechOps group discussed a way to standardize and thus simplify the processing of this information.

We wrote an Internet-Draft and initially published it in October 2017.

The draft was revised several times and reached maturity in March 2018 when we submitted it to the IETF RegExt Working Group.

After some adjustments, the WG adopted the draft last March and set a milestone for the RFC publication for October 2020.

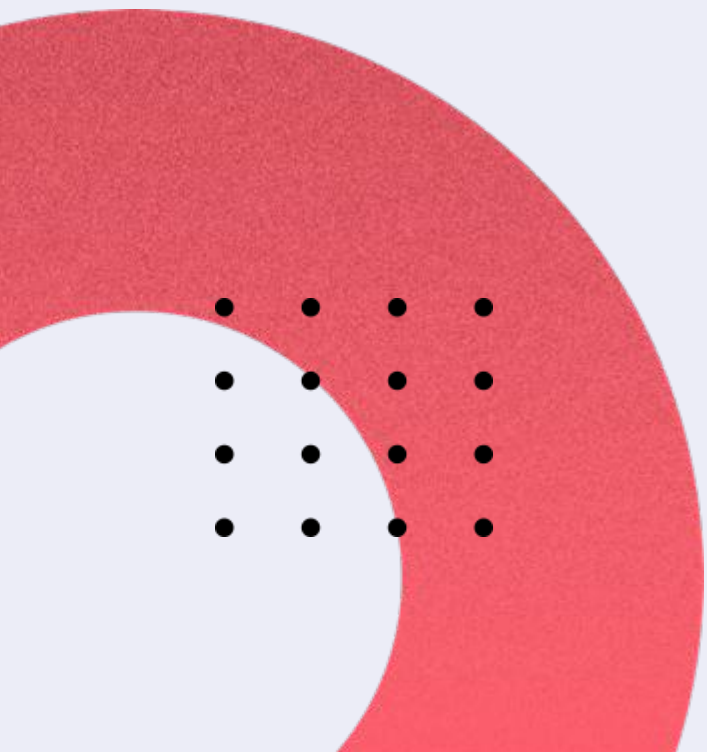


# How can it help?



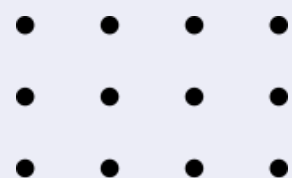
The Registry Maintenance Notifications for EPP provide registries the possibility to schedule upcoming maintenances in a standardized format that allows registrars to digest this information efficiently.

More details on <https://datatracker.ietf.org/doc/draft-ietf-regext-epp-registry-maintenance/>



# XML Example

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1301">
      <msg>Command completed successfully; ack to dequeue</msg>
    </result>
    <msgQ count="1" id="12345">
      <qDate>2017-02-08T22:10:00Z</qDate>
      <msg>Registry Maintenance Notification</msg>
    </msgQ>
    <resData>
      <maint:infData xmlns:maint="urn:ietf:params:xml:ns:maintenance-0.2">
        <maint:maint>
          <maint:id>2e6df9b0-4092-4491-bcc8-9fb2166dcee6</maint:id>
          <maint:systems>
            <maint:system>
              <maint:name>EPP</maint:name>
              <maint:host>epp.registry.example</maint:host>
              <maint:impact>blackout</maint:impact>
            </maint:system>
          </maint:systems>
          <maint:environment type="production"/>
          <maint:start>2017-10-30T06:00:00Z</maint:start>
          <maint:end>2017-10-30T14:25:57Z</maint:end>
          <maint:reason>planned</maint:reason>
          <maint:detail>https://www.registry.example/notice?123</maint:detail>
          <maint:tlds>
            <maint:tld>example</maint:tld>
            <maint:tld>test</maint:tld>
          </maint:tlds>
          <maint:intervention>
            <maint:connection>>false</maint:connection>
            <maint:implementation>>false</maint:implementation>
          </maint:intervention>
          <maint:status>active</maint:status>
          <maint:crDate>2017-02-08T22:10:00Z</maint:crDate>
        </maint:maint>
      </maint:infData>
    </resData>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>54321-XYZ</svTRID>
    </trID>
  </response>
</epp>
```





# What can you do?

Please read it, play with it, and provide feedback to the authors.

We will be happy if we can further improve our draft.

Thank you!