IETF 127 · REGEXT

Registry Lock extension for EPP

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The operational problem

Registry lock today

- Registry-specific procedures
- Forms, PINs and phone calls
- Manual work and availability constraints

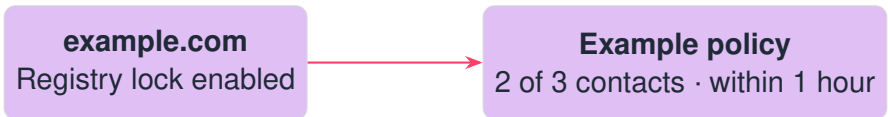
What registrars asked for

- A consistent service across TLDs
- Predictable approval and completion
- Less manual intervention

One workflow could simplify registry lock across TLDs.

General idea

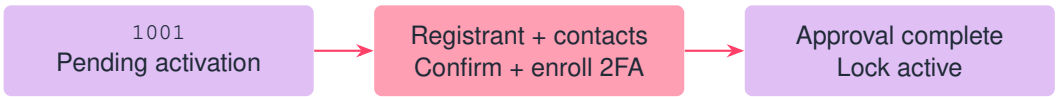
- Dedicated **lock contacts** authorize changes.
- A domain has an approval **quorum** and **deadline**.
- The registry applies the approved change without an unlock window.



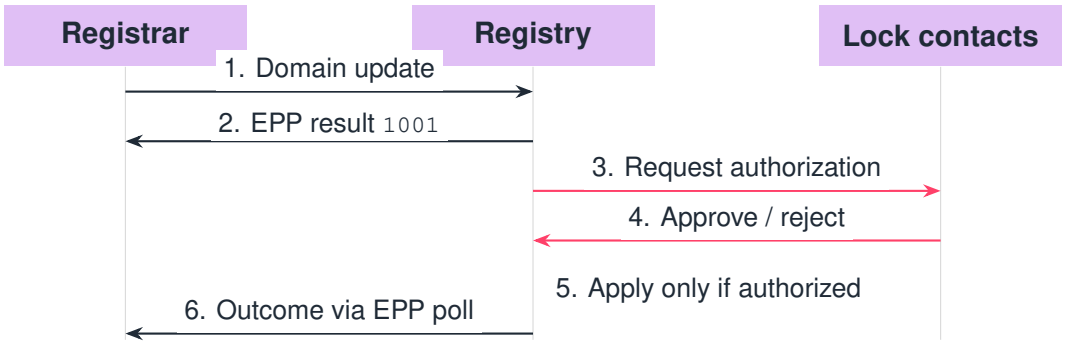
Activating the lock

An existing domain with no lock contacts; registrar sends `domain:update`.

```
<regLock:update
    xmlns:regLock="urn:ietf:params:xml:ns:regLock-1.0">
  <regLock:add>
    <regLock:contact>
      <regLock:id>rl1001</regLock:id>
      <regLock:method>email</regLock:method>
    </regLock:contact>
  </regLock:add>
</regLock:update>
```



One update, from request to outcome



`approved` / `rejected` / `timedOut`

What the EPP extension carries

Operation	Registry-lock data
`create / update`	Enroll contacts; set or change policy and methods
`info`	Contacts, policy and pending approval state
Domain `update`	Existing update request waits for authorization
`poll`	Outcome and original request's server transaction ID

Common workflow; registry-specific authentication.

Scope and policy choices

Operation	Draft / CENTR design boundary
Locked-domain changes	Contact authorization; renewal is exempt
Deletion	Rejected while locked
Lock removal	Manual procedure, outside the extension
Provider change	Remove lock before transfer
DNS automation	Registry may permit an approval bypass for CDS/CSYNC

Current draft TODOs

Area	Update or clarification
Activation	Require confirmation by the registrant and lock contacts.
2FA enrollment	Require 2FA; registry chooses the mechanism.
Provider changes	Require lock removal before transfer.
Pending requests	Define rejection of a second pending request.

Next steps

Interest in taking this work forward?

- **Working group:** feedback on scope and a path toward adoption
- **Implementors:** Several registries starting work on implementation

`draft-skoglund-epp-registry-lock-01`

github.com/EricIO/draft-regext-epp-registry-lock