



STIR/SHAKEN in France



Presenters



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Chief Executive Officer
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About TransNexus

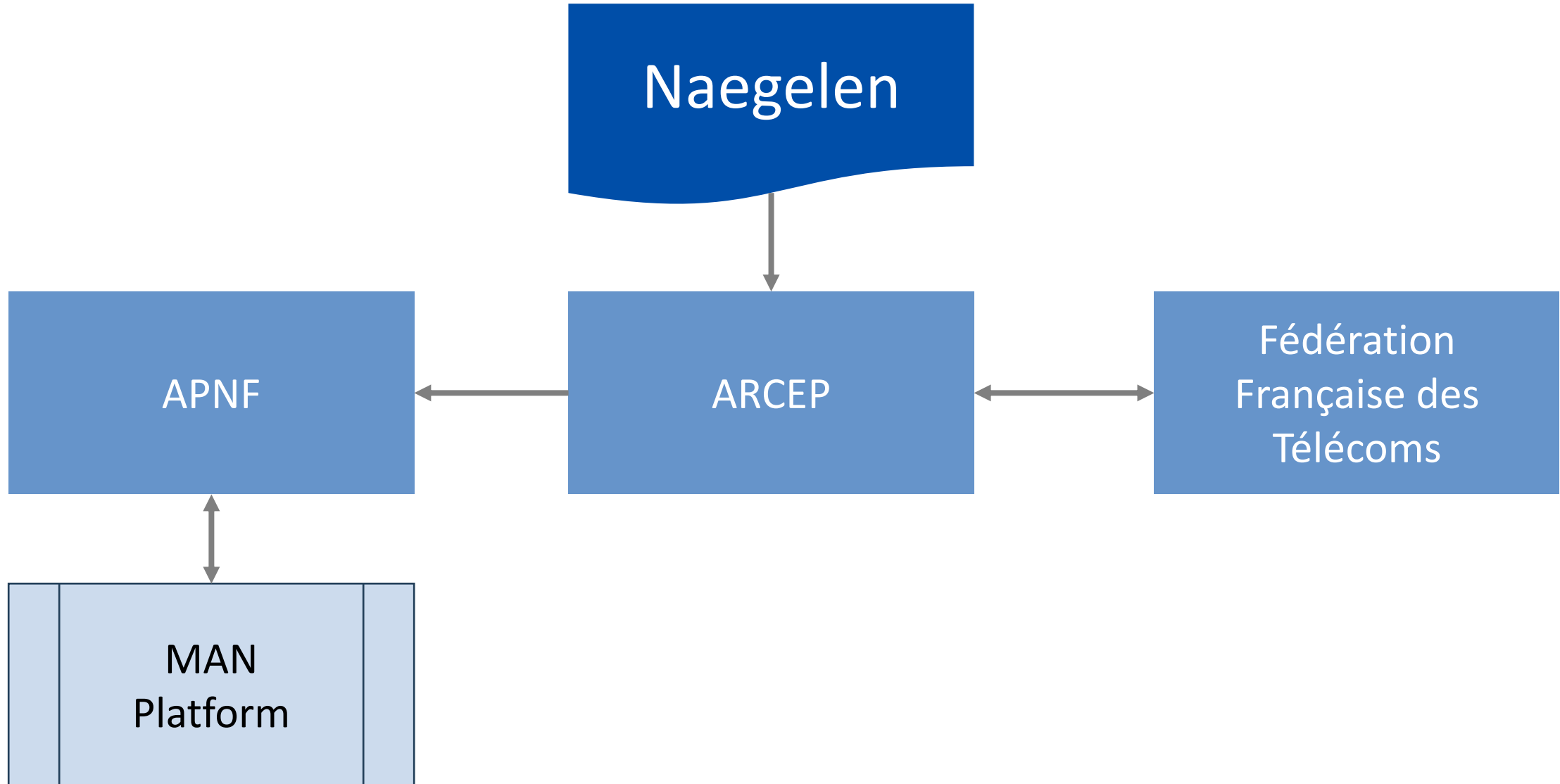
- A leader in developing innovative software to manage and protect telecommunications networks since 1997
 - Active participant with telecommunications industry standards work groups
 - STIR/SHAKEN solutions used in the United States, Canada, and France
- STIR/SHAKEN
 - SHAKEN Certificates
 - Out-of-Band Call Placement Service
 - Branded Calling
 - Robocall Mitigation and Prevention
 - TDoS Prevention
 - Toll Fraud Prevention
 - Least Cost Routing
 - Analytics
 - Billing Support



Agenda

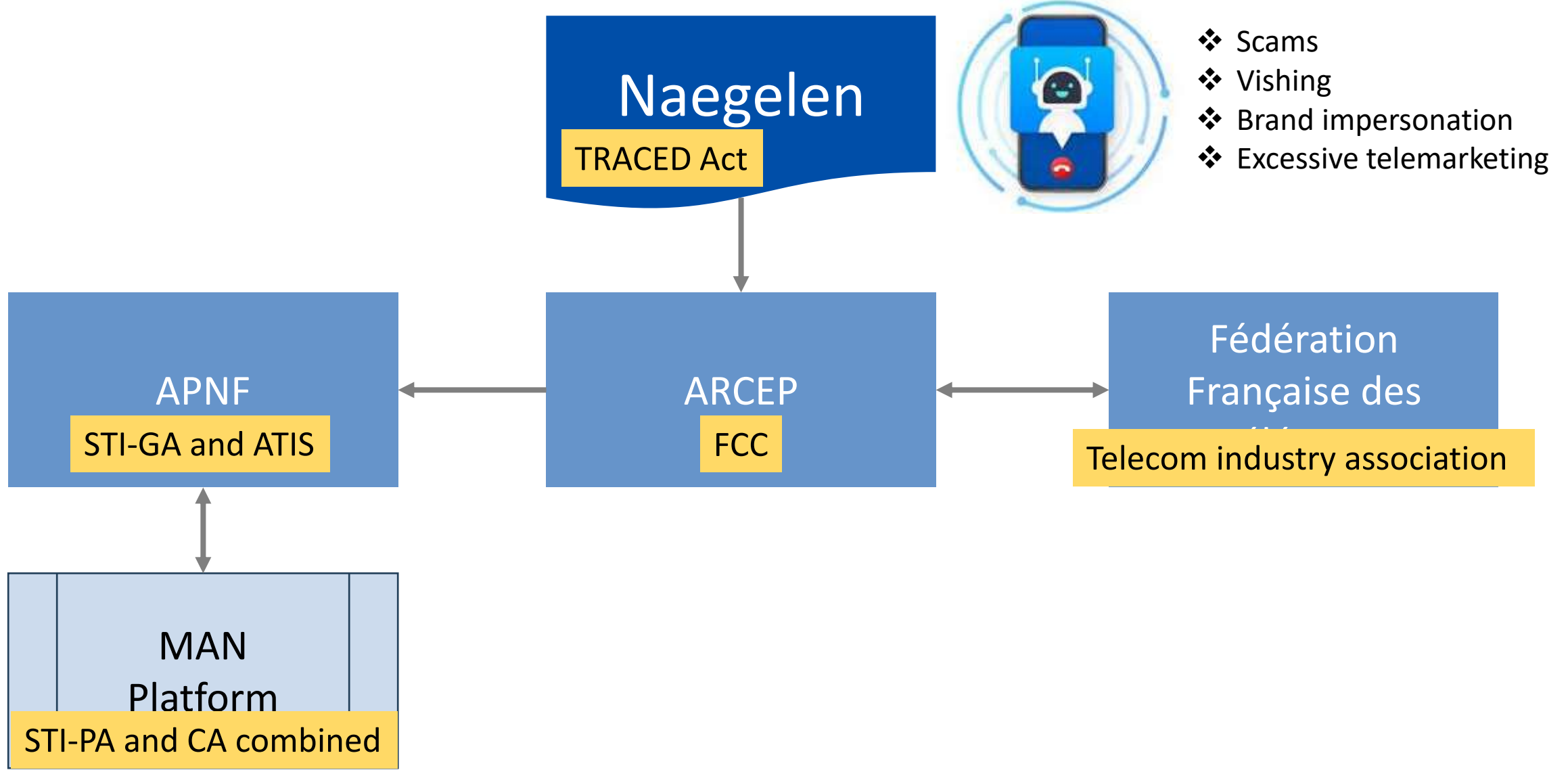
- French call authentication ecosystem
- STIR/SHAKEN compliance deadlines
- Requirements
- Key differences with other countries
- TransNexus STIR/SHAKEN for France
- Questions and answers
 - Enter your questions in the Q&A panel (not the chat!) during the webinar

Ecosystem

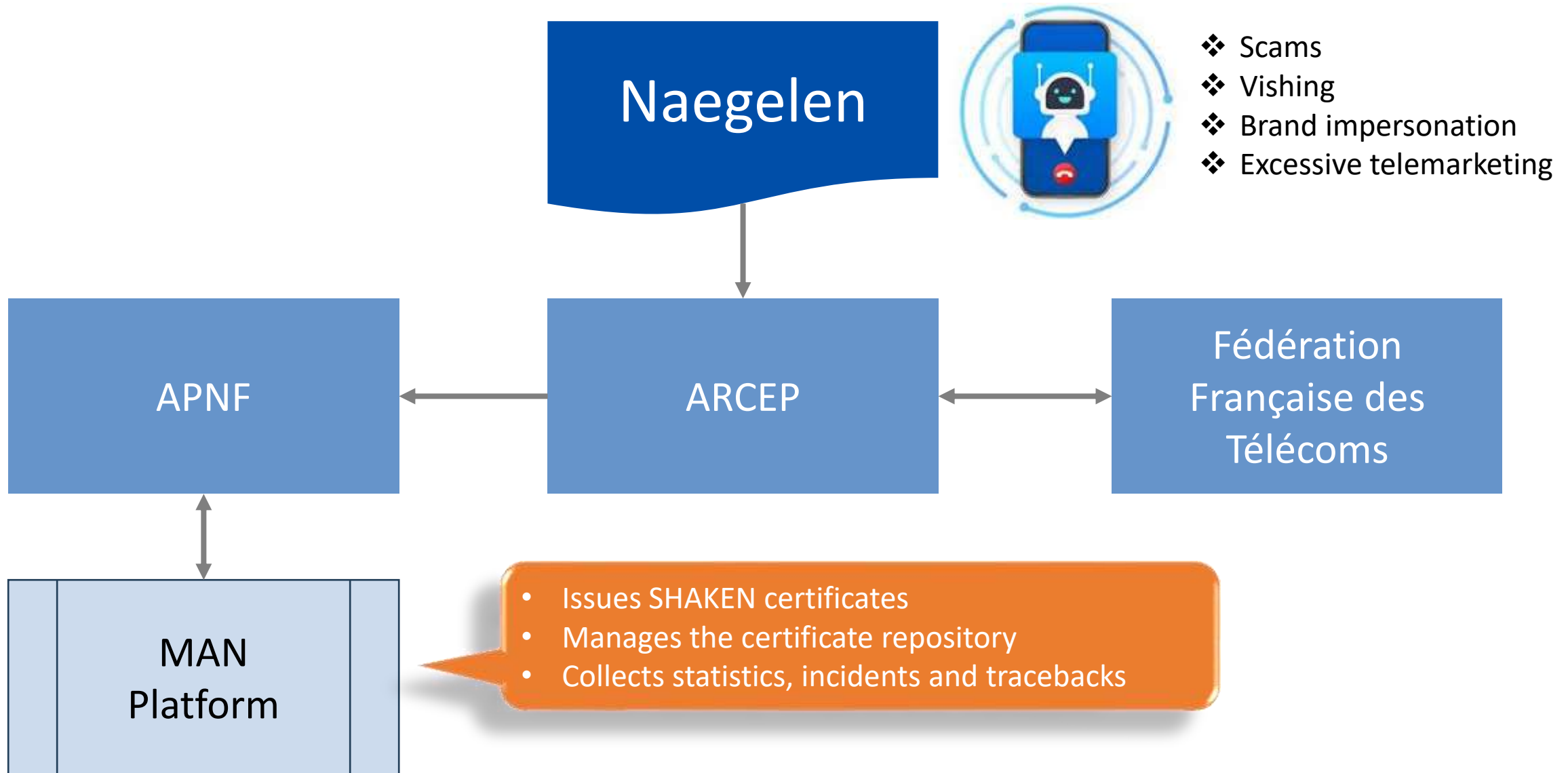




Ecosystem – Similarities with The United States



Ecosystem





Deadlines

- **July 24, 2020**
 - Loi Naegelen
- **January 1, 2023**
 - Special number blocks for automated dialers (NPV)
- **March 1, 2023**
 - Fixed days, times and frequency of telemarketing calls
- **June 1, 2024**
 - STIR/SHAKEN deployment
 - Report call authentication statistics to the MAN platform
- **October 1, 2024**
 - Block unauthenticated calls and calls that fail STIR/SHAKEN verification





French Service Provider Compliance

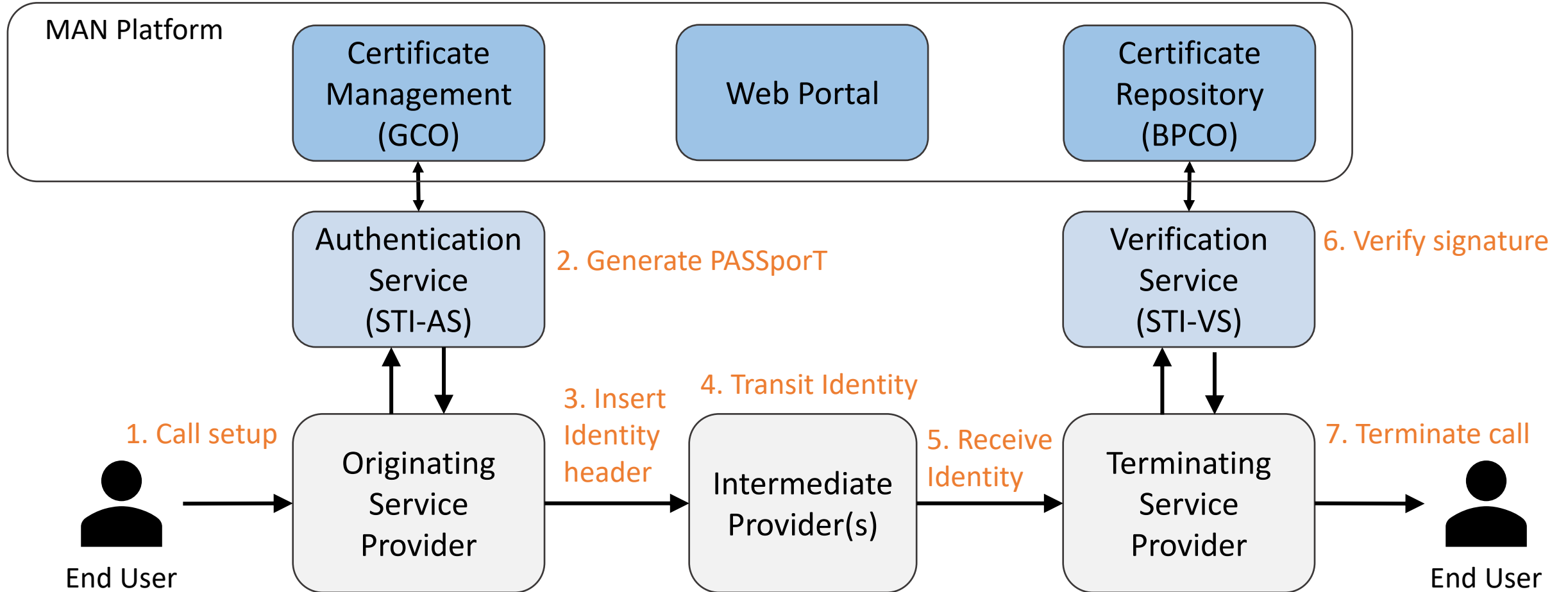
- Register on the MAN Platform
- Update leadership and/or ownership changes
- Adhere to attestation guidelines
- Apply blocked call rules
- Upload statistics according to specifications
- Maintain list and status of SIP interconnections on the portal
- Reply promptly to traceback requests



Brief Overview of STIR/SHAKEN



Call flow





Decoded Identity header

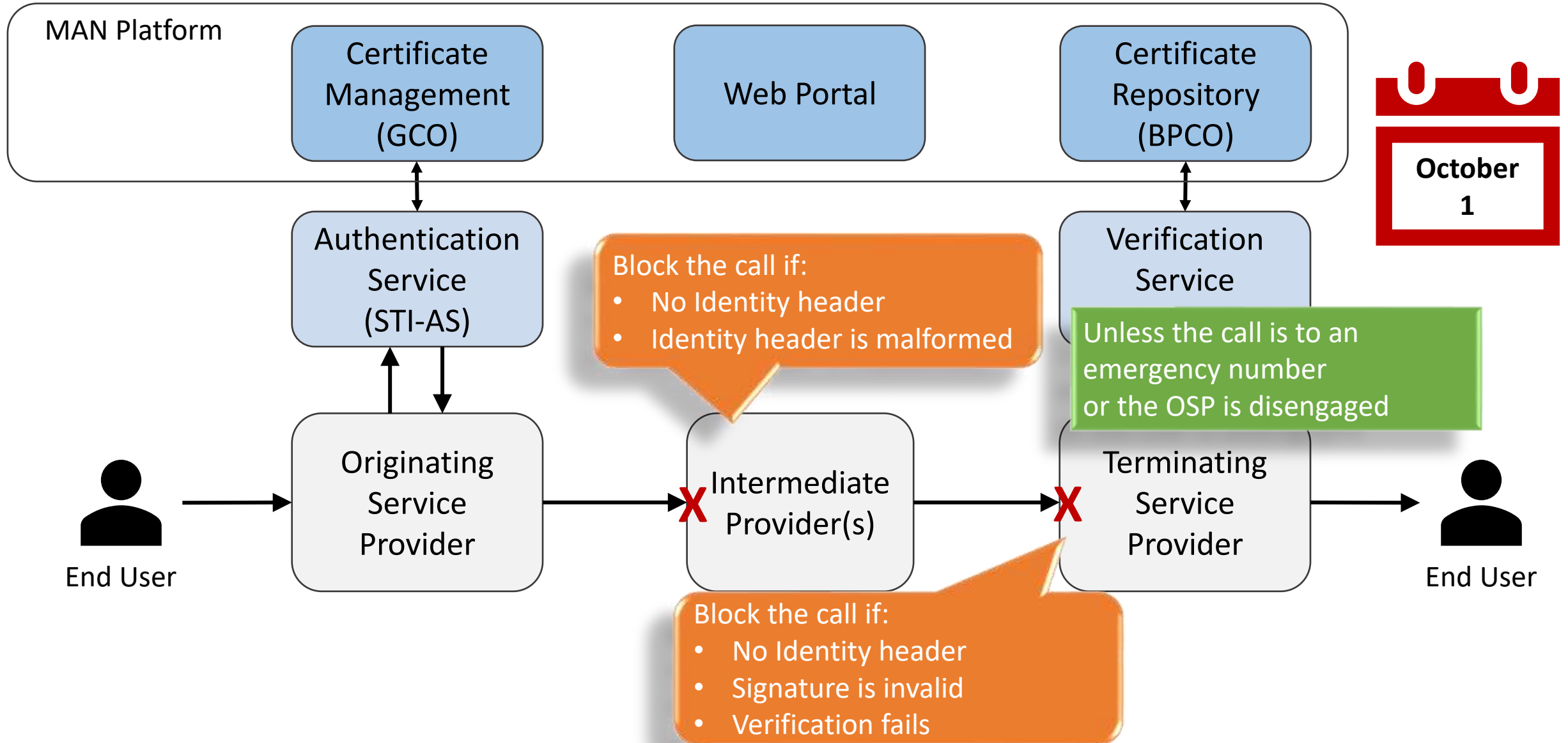
```
"header":  
  "alg": "ES256"  
  "typ": "passport"  
  "ppt": "shaken"  
  "x5u": "https://domain-bpco/certs/opel100/sn-certificate.cer"
```

```
"payload":  
  "attest": "A" ← Attestation level  
  "dest": { "tn": ["33623456789"] } ← Called number  
  "iat": 1529071382 ← Timestamp  
  "orig": { "tn": "33198765432" } ← Calling number  
  "origid": "4aec94e2-508c-4c1c-907b-3737bac0a80e" ← Origination identifier
```

STIR/SHAKEN in France is Unique!

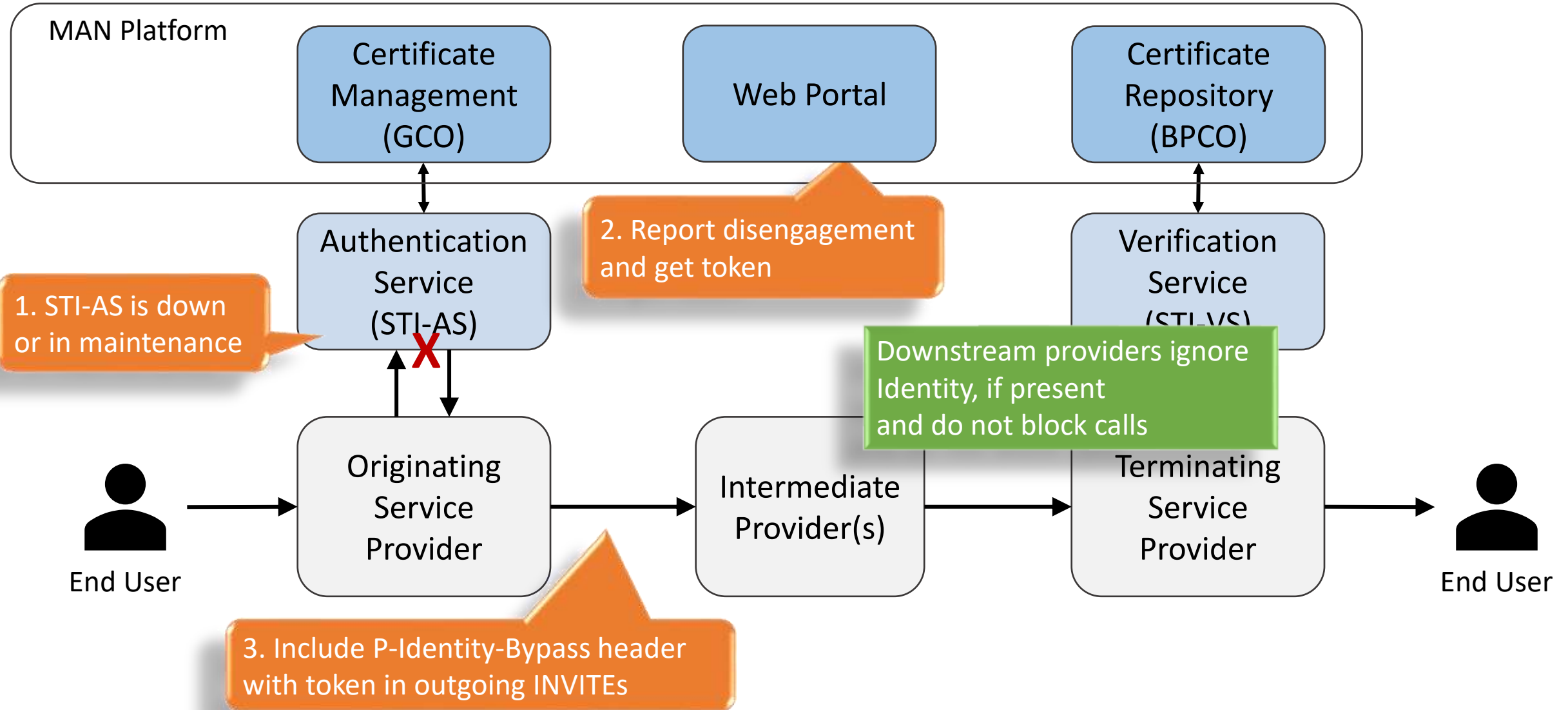


Key difference #1: Block calls





Key difference #2: Service provider disengagement





Key difference #3: Report statistics and issues on MAN Platform

Blocked/blockable calls

- Daily
- SFTP files to MAN
- One row per blocked/blockable call
 - Reporting provider
 - Operator's role
 - Who is the ingress provider
 - Calling and called numbers
 - Fixed, mobile or other
 - Disengagement, emergency, attestation
 - And more...

Call statistics

- Weekly
- SFTP files to MAN
- Number of outbound calls (17 statistics)
 - Calls using mobile calling number
 - Calls using a fixed calling number
 - Calls using anonymous
 - ...
- Number of inbound calls (19 statistics)
 - Calls using mobile calling number
 - Calls using fixed calling number
 - Calls to emergency numbers
 - Calls using mobile calling number with attestation A
 - ...





Key difference #3: Report statistics and issues on MAN Platform

Blocked/blockable calls

- Daily
- SFTP files to MAN
- One row per blocked/blockable call
 - Reporting provider
 - Role
 - Ingress provider
 - Calling and called number
 - Fixed, mobile or other
 - Disengagement, emergency, attestation
 - And more...

Open tickets to report an issue:

- Call was wrongfully blocked
- Dispute an attestation level
- Reports calls with invalid calling numbers
- And more...

Call statistics

- Weekly
- SFTP files to MAN
- Number of outbound calls (17 statistics)
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- Number of inbound calls (19 statistics)
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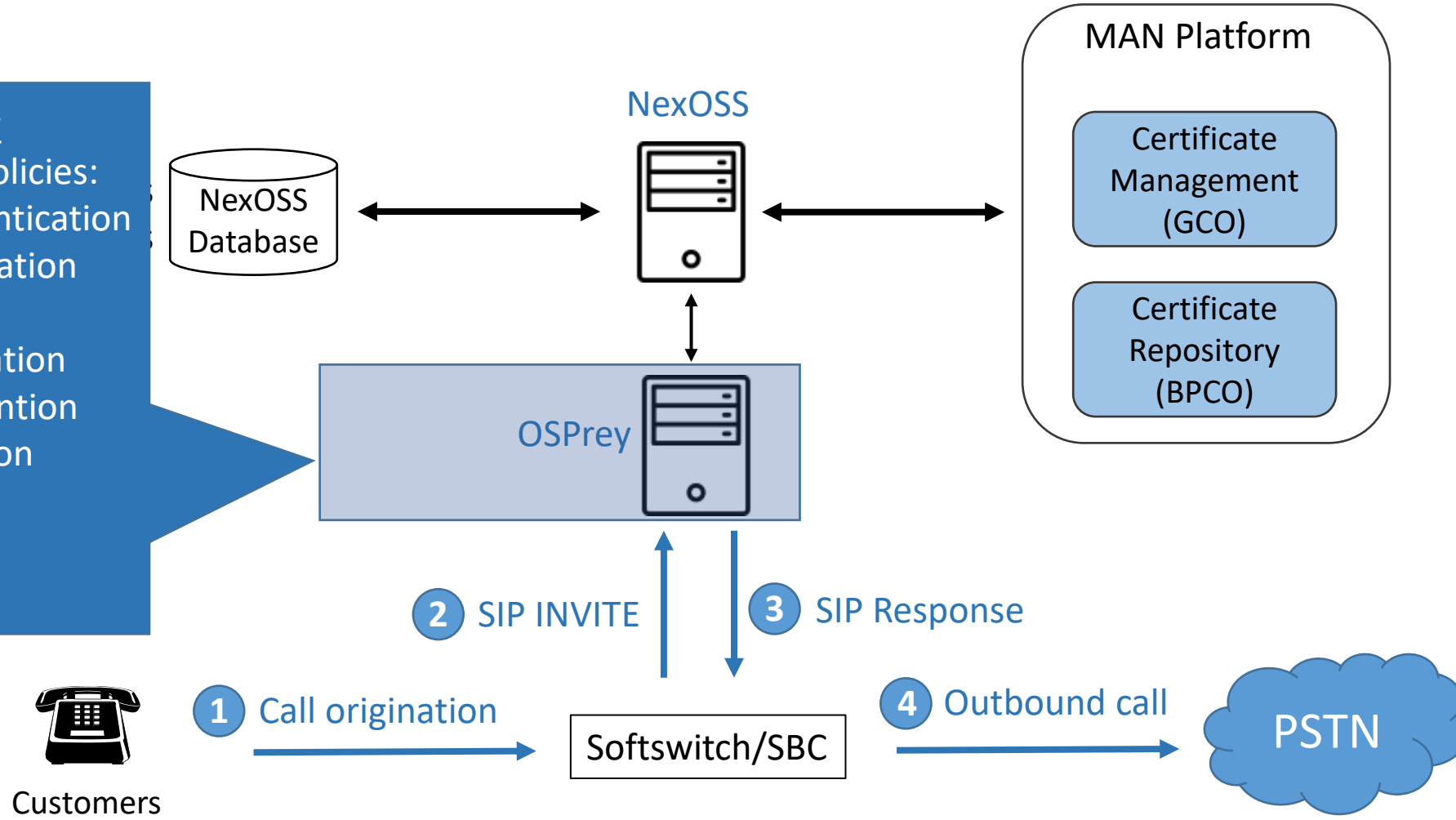
NexOSS is deployed in France!

NexOSS Supports STIR/SHAKEN for France

SIP redirect server

Applies NexOSS policies:

- SHAKEN authentication
- SHAKEN verification
- LCR routing
- Robocall mitigation
- Robocall prevention
- Fraud prevention
- CDR collection
- CDR mediation
- CDR rating





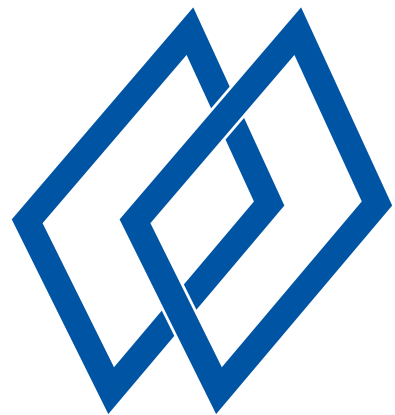
Questions and answers

- Please type your questions in the Q&A panel

We will be pleased to design your STIR/SHAKEN solution for France!

www.transnexus.com

Thank you!



TransNexus[®]