



SECURE SERVICES FOR TELECOM

GENERAL OVERVIEW

Telecoms have become an intrinsic part of our lives, allowing users to interact no matter where they are – which is more important now than ever. Modern telecom companies provide numerous services, including email, messaging, phone calls, the internet of things, purchases etc.

As well as having unlimited potential for technological improvement, mobile network operators (MNO) have a target for hackers using telecom operators' service to perform SIM swap, SMS hijacking and social engineering techniques. Thus, it is evident that prioritising the security landscape by staying up-to-date is a high priority.

The majority of clients, including banks and fintechs, use MNO services mostly for client identification and authentication. If any hacking attack is able to exploit vulnerabilities in telecom operators' channels, this may affect not only the operator's

reputation but also the sustainability of their business. And from telecom providers' perspective, partnership with banks and fintech is a significant matter.

In a basic scenario, MNO used to provide their clients with SMS packages to be used as a second-factor authentication (2FA). Among the greatest sources of pain for clients here are SMS delay and – more critically – interception of SMS messages containing a one-time password (OTP) by hackers.

Installing PayConfirm into telecom infrastructure and telecom mobile apps makes it possible to provide not just a service but a secure service. This may be in high demand among clients who have security as a top priority. All bank-client operations are confirmed using your service, but not using SMS (as a 2FA) – using the special secure component provided by PayConfirm in your app.

WITH PAYCONFIRM ONBOARD, THE CLIENT'S STEPS WILL BE



Bank client wants to
authenticate his operation.

It can be log-in, money transfer
or online-shopping operation.

Instead of input
passwords or
waiting for SMS
he will receive a
notifacation into the
mobile operator app

He will need to check
transaction details
and tap "confirm"

BENEFITS

For clients:

- Risk reduction
- Fraud prevention
- Better user experience

For the Telecom operator:

- Extra service to your clients for extra cost
- Detection of SIM swaps and other security-related activities on the client's smartphone
- New opportunities with existing clients
- Strong point on security compared to competitors

ABOUT US

Airome Technologies is a Singapore-based developer of cybersecurity solutions for digital banking and e-document management systems. The company provides secure client-server software to confirm or digitally sign any type of operations, including bank transactions or e-documents, on a mobile device. Our solution lowers the risk of unauthorised transactions caused by man-in-the-middle, phishing, or social engineering attacks.

Our mission is to enable our customers to provide user-friendly, secure and cost-effective digital services.



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