

## European Patent for PSD2 Strong Customer Authentication & KYC

- European Patent Office (EPO) has issued notice of intention to grant patent across more than 38 countries
- Payment Service Directive 2 (PSD2) Strong Customer Authentication (SCA) compliance day was 14<sup>th</sup> September 2019
- Patent includes methods for SCA and Know Your Customer (KYC)
- iSignthis Patents augment 3DSecure Version 1 for compliance to PSD2 SCA
- iSignthis SCA already incorporated into Paydentity™, ISXPay® and Probanx®

**16<sup>th</sup> September 2019, Melbourne**, iSignthis Ltd subsidiary, 'ISX IP Ltd' has been notified of the European Patent Office's ("EPO") intention to grant patent number EP2553642 'Methods and Systems for Verifying Transactions'. **The patent will be granted across all 38 EPO member states, including all EU member states and Turkey<sup>1</sup>.**

The notice of intent to grant patent coincides with the European Union's Directive requiring Strong Customer Authentication (SCA) under the Payment Services Directive 2<sup>2</sup> for i) cards and ii) access to account services, effective from the 14<sup>th</sup> September 2019. Many national regulators have recently extended the effective date for cards SCA by up to 18 months<sup>3</sup> due to the difficulty faced by the payments industry in implementing an effective SCA process. Whilst the card schemes have been advocating the use of EMV Co's 3DSecure Version 2<sup>4</sup>, the payments industry in the EU has not been prepared for the 14<sup>th</sup> September date, leading to the extension by EU national regulators.

The patent provides a means for iSignthis to independently achieve compliance with the European Banking Authority's (EBA) Regulatory Technical Standard (RTS) on SCA, and authentication approaches outlined in the EBA's June 2019 opinion<sup>5</sup>.

Consumers purchasing *electronic money*<sup>6</sup> from our European Economic Area Authorised Monetary Financial Institution, iSignthis eMoney Ltd ("ISEMEE") subsidiary, will have available to them several means of authenticating their payment, allowing for a seamless consumer experience that in most cases will also meet the customer due diligence or KYC requirements at the same time.

ISEMEE thus has flexibility in its approach to SCA, including i) use of 3DSecure Version 2 when it becomes widely available, or ii) overlaying its patented technology on top of the existing 3DSecure Version 1 to ensure that that is PSD2 SCA compliant, or, iii) using its patented technology stand alone to simultaneously perform both KYC and SCA, and on success storing the consumers card on file and subsequently initiating transactions from the stored card without the requirement for further SCA on latter transactions. This last method leads to a **significant reduction in friction** for our consumers, as SCA and KYC will be performed in a single step with far less online click interactions, allowing rapid onboarding to ISEMEE's [www.Flykk.it](http://www.Flykk.it) *electronic money* service.

Open banking access is a separate PSD2 requirement from that of SCA for cards. Accordingly, Probanx Solutions Ltd has built its API Specifications based on European Standards and industry guidelines by the UK's Competition and Markets Authority (CMA) – Open Banking Implementation Entity (OBIE). The primary API and the Contingency measure have been deployed by ISEMEE<sup>7</sup>, allowing third party providers to access ISEMEE systems for payment initiation and account information services. <ENDS>

<sup>1</sup> <https://www.epo.org/about-us/foundation/member-states.html>

<sup>2</sup> <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32015L2366>

<sup>3</sup> <https://www.centralbank.cy/en/announcements/communication-to-the-payments-industry-on-strong-customer-authentication-sca-from-14-september-2019>

<sup>4</sup> <https://www.emvco.com/emv-technologies/3d-secure/>

<sup>5</sup> <https://eba.europa.eu/-/eba-publishes-an-opinion-on-the-elements-of-strong-customer-authentication-under-psd2>

<sup>6</sup> <https://www.imf.org/en/Publications/fintech-notes/Issues/2019/07/12/The-Rise-of-Digital-Money-47097>

<sup>7</sup> <https://www.isignthis.com/documents/>

## About iSignthis Ltd

### **Australian Securities and Frankfurt Stock Exchange listed iSignthis Ltd (ASX: ISX | FRA: TA8)**

delivers remote identity verification and payment authentication coupled with emoney, transactional banking, IBAN issue and payment processing capability. iSignthis provides an end-to-end on-boarding service for merchants, with a unified payment and identity service via our Payidentity™ and ISXPay® solutions.

By converging payments and identity, iSignthis delivers regulatory compliance to an enhanced customer due diligence standard, offering global reach to any of the world's 4.2Bn 'bank verified' card or account holders, that can be remotely on-boarded to meet the Customer Due Diligence requirements of AML regulated merchants in as little as 3 to 5 minutes. Payidentity™ has now onboarded and verified more than 1.65m persons to an AML KYC standard.

- **iSignthis Payidentity™** service is the trusted back office solution for regulated entities, allowing merchants to stay ahead of the regulatory curve, and focus on growing their core business. iSignthis' subsidiary, iSignthis eMoney Ltd, trades as ISXPay®, and is an EEA authorised eMoney Monetary Financial Institution, offering card acquiring in the EEA, and Australia.
- **ISXPay®** is a principal member of Visa Inc, Mastercard Inc, Diners, Discover, (China) Union Pay International and JCB International, an American Express aggregator, and provides merchants with access to payments via alternative methods including SEPA, Poli Payments, Sofort, Trustly, WeChat, AliPay and others.
- **UAB Baltic Banking Service, ("BBS")** a wholly owned subsidiary of iSignthis Ltd, provides API based access to SEPA Core, SEPA Instant and SEPA business schemes ("CoreConnect"), for neobanks, banks, credit unions and emoney institutions, and provides a bridge to the Central Bank of Lithuania's CENTROLink service. suite, with BBS contracted to deliver these services to a number of regulated entities.
- **Probanx Information Systems Ltd (Probanx®)**, a wholly owned subsidiary of iSignthis Ltd, is an international banking software company which has been serving the banking industry since the year 2000 by developing comprehensive banking software solutions to financial institutions around the globe. Probanx offers web-based banking solutions using the latest technology and international standard business rules. Our customers are located on five continents and supported from our technical centres in Europe and Australia. iSignthis' Probanx delivers core banking software, including a fully comprehensive and versatile banking solution for retail, corporate and private banks, emoney and payment institutions, offering capabilities that up until now were affordable only by large commercial banks.

Read more about the company at our website [www.isignthis.com](http://www.isignthis.com), <https://www.bbsservice.lt/en/> and [www.probanx.com](http://www.probanx.com)

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## Glossary

**AML** = Anti Money Laundering, usually refers to a regulatory regime that banks, brokers, exchanges, credit providers etc. need to comply with. AML requires KYC.

**Acquirer** = (also called acquirers, processing banks or merchant banks) are financial institutions, that are Principal members or associate members of the Major Card Schemes, and that are authorised by regulators and licensed by the Major Card Schemes to contract with merchants to enable them to accept debit and credit card payments for their products and services. They can also, and mostly do, contract with third parties to provide some of these services.

**Cardholder** = authorised user of credit, prepaid or debit card

**Card issuer** = (Monetary) financial institutions that are Principal or Associate Members of a Credit Card Association, which issue payment cards on behalf of the Major Card Schemes, and contract with their cardholders for the terms of the repayment of transactions. iSignthis is a Principal Member of Visa Inc (NYSE: V), Mastercard Worldwide (NYSE:MA) and JCB International

**CTF or CFT** = Counter Terrorism Funding, or Counter Funding of Terrorism, is often paired with AML as AML/CTF or AML/CFT

**Customers** = legal or natural persons that either accept iSignthis eMoney, or contract with the Company for either identity related services or payment facilitation services. Used interchangeably with 'merchants' if a business Customer.

**Customer Funds** = Funds held by the Company on behalf of its Customers and are not Company funds. Customer Funds held are reported monthly to regulators.

**Dynamic Data** = one-time data related to an e-Payment transaction, that is current and used as an input at the time of **KYC** check. Unlike **Historic Data**, Dynamic data is only applicable and accessible via the person to whom it relates and can only be compiled with the KYC target person's active involvement. Refer to '**Secret**'

**Electronic money** = 'emoney', which means electronically, including magnetically, stored monetary value as represented by a claim on the issuer which is issued on receipt of funds for the purpose of making payment transactions, and which is accepted by a natural or legal person other than the electronic money issuer. ISX eMoney is pegged 1:1 to fiat currency and backed by a deposit at a central bank (or commercial bank or high-quality liquid investment).

**e-KYC** = electronic or digital KYC. The process of customer identification remotely via the internet, rather than face-to-face / manual processes.

**Enhanced Due Diligence (EDD)** = for Higher-Risk Customers. Customers that pose higher money laundering or terrorist financing risks present increased exposure to merchants; **due diligence** policies, procedures, and processes should be **enhanced** as a result.

**EOI** = Evidence of Identity, which forms the basis of **KYC**, and usually includes Proof of Identity (PoI) and Proof of Address (PoA)

**Gross Turnover Processing Volume (GTPV)** = the volume of funds processed by the Company on behalf of any of its Merchants. That is, the GTPV is the merchant's revenue, from which the Company calculates and deducts fees.

**KYC** = **Know Your Customer**, a mandatory customer identification process that banks and AML regulated entities must perform prior to offering a consumer service in order to comply with AML law or regulation.

**Identification** = the means whereby a person is identified by name and other unique attributes, prior to those details being verified by a customer due diligence process.

**Merchant** = is a business customer that has contracted with an Acquirer to accept card payments

**Payidentity** = the convergence of payments and identity, incorporating payment instrument verification and customer identification, in order to remotely link an electronic payment with a person's identity, usually for the purpose of satisfying Anti Money Laundering (AML) or Anti-Fraud, or both requirements.

**Major Card Schemes** = Visa, Mastercard, JCB, Diners, Discover, ChinaUnionPay and American Express. iSignthis is a principal acquirer of all the major card schemes except American Express, where it is an aggregation partner.

**Monetary Financial Institution (MFI)** = EU Regulation 2013/33/13 defines MFIs as resident undertakings that belong to any of the following sectors Credit Institution (Bank), Central Bank or eMoney Institution, such as iSignthis eMoney Ltd

**Payment Services Directive 2 (PSD2)** = EU Directive 2015/2366 <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32015L2366>

**Payment Service Provider (PSP)** = an entity licensed or authorised to provide transactional banking services, including card issue, card acquire, credit facilities and bank transfers. The Company's subsidiary iSignthis eMoney Ltd is a European Economic Area Authorised eMoney Monetary Financial Institution (MFI) and can offer PSP services.

**Principal Acquirer** = an entity (including iSignthis eMoney Ltd and iSignthis eMoney (AU) Pty Ltd) that has necessary authorisations from the national payment's regulator (Reserve Bank or Central Bank) to be licensed directly to acquire, process and settle card transactions from Major Card Schemes. A principal is contracted and technically connected directly with one or more Major Card Schemes,

**PCI** = Payment Card Industry, comprising Visa, Mastercard, American Express, Diners, Discover, China Union Pay. PCI sets the global standards required for security and interconnectivity of banks & processors to merchants via its data security standard (DSS). Level / Tier 1 is the highest standard possible.

**PSC = A Person of Significant Control** is anyone that exerts a significant influence or control over a company. They are identified as a PSC if they meet any of the following criteria: Hold more than 25% of a share in a company or have the right to participate in more than 25% of the surplus assets of a company.

**Rolling Reserve** = a risk management strategy to protect the merchant and the Company from potential loss due to chargebacks. A portion (calculated on an agreed percentage) of the weekly credit card GTPV volume processed will be secured to cover for the potential business risk relating to chargebacks and released back to the merchant after a predetermined period of time (typically 26 weeks). The Rolling Reserve is considered as merchant funds held by the Company typically as a security against performance by the merchant of the card scheme rules. The Company may set off against the Rolling Reserve.

**Secret** = Information which can only be known by or in the possession of (e.g. one-time passcode or cryptographic key) the authorised users. This information is transmitted by iSignthis securely within standard payment messages and used as the basis of challenge / response knowledge-based authentication **EOI**. The Secret is comprised of **Dynamic Data**. By way of example, the United Kingdom's Joint Money Laundering Steering Group (JMLSG) 2017 Revision at s5.3.89 refers.

**Security** = funds placed by the merchant with the Company against performance by the merchant of its obligations under its agreement with the Company. The Company may set off against the Security.

**Service provider** = any third party that provides a service used in the card payment transaction process: point-of-sale terminals, payment gateways, web hosting, SSL certificates, shopping carts etc.

**SCA** = Strong Customer Authentication, a means whereby two factor authentication (2FA) is linked to a person's KYC identity and a specific payment instrument (e.g. card or eWallet), and the 2FA is used to authenticate remote payment transactions executed on the payment instrument.

**TPP** = Third party provider, including registered payment initiation services provider (PISP) or Account Information Services Provider (AISP), both of which have access to customer bank accounts via API's, under the PSD2 open banking provisions.

**UBO** = Ultimate Beneficial Owner, companies are increasingly expected to understand who they are doing business with. This serves to prevent doing business with mala fide parties. Any institutions that fall within the scope of the Anti-Money Laundering and Anti-Terrorist Financing Act must retrieve the identity of the UBO (the ultimate beneficial owner) of their business relations on a mandatory basis.

**Verification** = the means whereby a person's details, including name, date of birth, address and other unique attributes having been previously identified, are verified via a customer due diligence process.