

## VoiceProof® – Digital Signature and Secured Content.

### Introduction

**VoiceProof®** provides a cost-effective, and secure solution for signing and securing of high-value and highly sensitive documents and files.

The solution uses real-time Strong Authentication to Digitally Sign and/or Secure a File.

**VoiceProof®** is compliant with EU Directive <http://europa.eu/scadplus/leg/en/lvb/l24118.htm> . to provide Advanced Electronic Signature as following :

- (a) it is uniquely linked to the signatory;
- (b) it is capable of identifying the signatory;
- (c) it is created using means that the signatory can maintain under his sole control; and
- (d) it is linked to the data to which it relates in such a manner that any subsequent change of the data is detectable.

For more information:

<http://sentry-com.net/blog/?p=86>

### Highlights

One of the biggest challenges in any PKI system is key distribution. **VoiceProof®** eliminates the problem by seamless keys generation.

**VoiceProof®** can be used to sign files of any kind, captured Web forms, as well as zipped group of files. The signed files can be saved to disk or sent out using the existing e-mail system. The signature can be chained, i.e. signatory can sign already signed file.

**VoiceProof®** delivers a complete security architecture that includes the four A's of business risk management: Authentication, Authorization, Administration, and Audit. Using the four A's our clients are able to build a solid security architecture based on both business risk assessment and security policies

### Benefits

#### Improved Productivity and Efficiency

- Provides secure, online status of digital credentials
- Enables reliable and secure exchange of sensitive data

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- Reduces cost by leveraging public networks
- No need for certificate distribution
- Time stamping

## State-of-the-art MS Crypto technology:

- RSA public-key signature algorithm
  - 1,024 bits key length

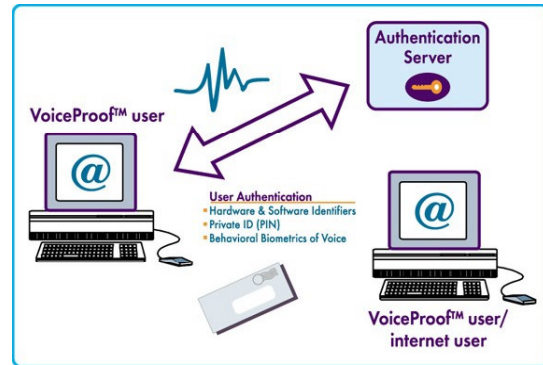
## Reduced Fraud

- 2-factor or 3-factor authentication
- Authenticates the sender and the recipient in real-time
- Solves the repudiation problem
- Provides a Per transaction certification

## How it Works

**VoiceProof®** takes advantage of the fact that each user is authenticated in real-time, using 2-factor or 3-factor authentication.

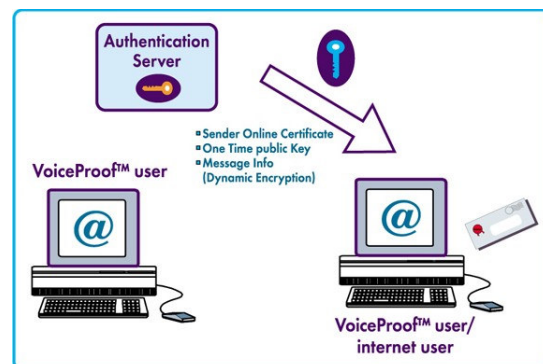
When requesting to sign and encrypt a file, the user is authenticated through VoiceProof authentication server. To ensure the highest level of security, a user's identity is verified in real-time using a hardware identifier a PIN number and his voiceprint (3-factor). For medium security – 2 factor is sufficient.



Next, the user can choose whether to encrypt and seal the message, only to be opened by specified recipients who will be voice authenticated before opening the file.

Finally, the signed and encrypted message will be sent to the recipient.

Upon a request by the recipient and a successful authentication, he will be provided with the decrypted message and digital signature.



## ROI

**VoiceProof®** generates a positive return on investment (ROI) both by reducing exposure to security breaches via unauthorized access, while

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also exploiting the opportunities generated by being able to securely share information and exchange data.

For instance, **VoiceProof®** allows enterprises to dramatically reduce Paper delivery (services such as FedEx or UPS) as well reduce time spent on waiting for these deliveries and handling them, all resulting in significant cost savings

**VoiceProof®** brings confidence to electronic transactions through secure solutions that address identity authentication, data privacy, availability, integrity and non-repudiation

The **VoiceProof®** solution delivers a comprehensive, scalable and reliable framework for enterprise file transfer and authentication of both sender and recipients in real time.



SentryCom's mission is to deliver reliable, cost-effective and easy to use authentication solutions to secure assets within the extended enterprise.

The company designs, develops and markets biometric voice authentication solutions that accurately verify a person's claimed identity. The company's core technology is based on its proprietary and patented Live Voice Authentication Engine (LVAE), designed to increase and enhance security while improving end-users privacy and confidence.

**VoiceProof®** is incorporated in SentryCom's **Enterprise Voice Authentication Platform (EVAP)**. EVAP secures, manages and protects assets within the extended enterprise, while expanding the existing security infrastructure to the Internet and Mobile environments in a scalable manner.

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