



# Legally-Binding Forensic-Quality eSignatures

The US E-SIGN law issues the following stipulations for an electronic signature:

- o it is unique and attributable to each individual signer
- o it is under the sole control of the person using it
- o it is capable of verification and authentication
- o it is linked to the document data in such a way as to invalidate the signature if the data is changed

The Topaz signature capture system meets or exceeds these guidelines for forensically-verifiable electronic signatures. The digitized handwritten signature bears the unique biometric pattern of its owner, unlike PKI-based encryption or PIN codes that can be stolen or compromised. Unlike other systems, the Topaz method captures and saves the signature as a series of points and vectors which record the timing, speed, and order of the original signature strokes. This raw, unchanged data can be used by forensic experts to offer conclusive testimony about a signature's authenticity in a court of law using Topaz's patented SigAnalyze™ software tools. For document security, each signature, with time and date stamp, is bound and encrypted to the data present in the electronic document. If this data is subsequently changed or tampered with the signature will be invalidated, revealing the error or fraud.

While many eSignature systems promise legally-binding electronic signatures, only Topaz provides the hardware, software, and verification tools to take an electronic signature from the pen and pad all the way to expert authentication in the courtroom.

Capture the Benefits of  
**eSignatures™**



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