Streem has partnered with Xerox to develop innovative software solutions, value-added services and optimized technologies for Xerox products. This joint effort provides unique solutions to address document management challenges while increasing productivity and reducing costs.

Streem supplies a centralized, universal communications management system with the ability to send, receive, print, archive, and track information through the familiar environment of the Xerox Multifunction Printer (MFP) or email client. As a Xerox Business Partner, we are dedicated to providing solutions that extend the functionality of Xerox MFPs, transforming them into multi-tasking office solutions. Streem directly integrates with Xerox products, and is also enabled by the new Xerox Extensible Interface Platform™ (EIP).

**From the Xerox Multifunction Printer**

One of the hallmarks of the Xerox MFP line is a commitment to information security. Streem integrates with the Xerox EIP platform for Network Faxing and Alert Notification, including Scanning options, which are accessible based on “permissions” granted by the network administrator upon logon. Customers can choose to create an authorized list of recipients. Any unauthorized fax number, phone number, email address, or text address entered will be rejected and the user will be notified via an immediate rejection notice printed at the device.

**Example:** Using authorized lists prevents entering an incorrect or unauthorized fax destination when sending health information. This security measure allows the healthcare organization to comply with HIPAA standards, or other information under regulatory compliance. Streem maintains an audit trail to ensure procedural compliance.

**Fax Network Separation**

While firewalls prevent unauthorized access for a system through the network connection, unprotected fax connections in multifunction devices can be a back door into the network. Xerox is the first manufacturer to obtain third-party assurance via Common Criteria Certification that fax and network lines are separated. This assures complete separation of the fax telephone line and the network connection.

**Key Security Goals:**

- **Confidentiality** - No unauthorized disclosure of data during processing, transmission, or storage
- **Non-Repudiation** - A user cannot deny having sent or received a message
- **Integrity** - No unauthorized alteration of data
- **Availability** - No denial of service for authorized users
- **Accountability** - Actions of a user can be traced directly to that entity
Xerox MFP Security Features

User Authentication  Restricts access to scan, email, and network fax features through user and password authentication.

Network Authentication  When uses with scan to email, the From address is automatically populated and cannot be modified.

Administrator Authentication  Ensures Administrative screens and settings cannot be viewed or changes without a PIN.

Standard Accounting  Manages access to and utilization of copy/print/fax/scan by user or group.

Audit Log  Tracks who and when the MFP was used.

Secure Scanning  Provides a secure channel for scan file transmission via certificate-based HTTPS (SSL).

Built-in Firewall  Controls communications with specific network clients based on IP address and/or port number filtering rules.

Secure Document Receipt  Prevents unauthorized viewing of print or faxed hard-copy documents until a PIN is entered.

Image Overwrite Option  Provides automatic or specific electronic removal or ‘shredding’ of data stored during routine usage.

Understanding Network Fax Security

A network fax solution is a combination of traditional fax transmissions (T.30 protocol) integrated with a customer’s local area network (LAN). Traditional fax transmissions exchange images (machine to machine) as opposed to data. Network faxing utilizes the customers LAN for routing of data and images. The Streem server securely exchanges data and images, and maintains data security within the customers LAN and behind the firewall throughout the process.

Prior to sending fax documents outside the customer’s network, Streem converts fax data into images (non-data), that are sent over the telephone network via a T.30 fax protocol connection. The ITU (International Telecommunication Union) T.30 fax protocol does not allow for the processing of data or the transmission of data, only images. This eliminates the security risk of any data exchange capability.

Customer Secure LAN

Users enter authorized password

Receives and exchanges data and images

Only approved faxes are distributed as images

Fax Protocol

Xerox Multi-function Product

Streem Server

Telco Voice Connection

Switched Telephone Network

Fax Machine Receives Fax

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