

## Security and Intelligent Documents Business Unit

*Creating documents with the security necessary for today, and the intelligence vital for tomorrow.*

To receive more information on GPO Security and Intelligent Documents, please contact:

U.S. Government Printing Office  
Security and Intelligent Documents Business Unit  
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Washington, DC 20401

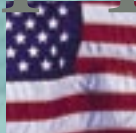
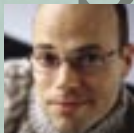
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U.S. GOVERNMENT PRINTING OFFICE | KEEPING AMERICA INFORMED

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# SECURITY TODAY



Security and Intelligent Documents for Federal Agencies

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The U.S. Government Printing Office, a leader

UNITED STATES OF AMERICA



*Keeping America Informed* is one of the most important requirements of the Federal Government, and it is a task that the U.S. Government Printing Office (GPO) has been performing with pride for nearly 150 years. Keeping America secure through the latest use of secure document technology is the primary focus addressed by GPO's Security and Intelligent Documents Business Unit.



in providing the most secure documents for the **United States Government.**

We are meeting the challenges of new security issues and enabling the production of secure Government documents for a wide variety of applications including U.S. passports, various Federal breeder documents, travel documents, immigration forms, credentials, tickets, and checks. In the post-9/11 era, many documents require new levels of security from their creation to their distribution. GPO is equipped to handle today's challenges with knowledge, experience, and the latest technology.

With the creation of GPO's Security and Intelligent Documents Business Unit, GPO is leading the way in secure document design and manufacturing. Customers can utilize GPO's services in the following ways:

- **Security by Design** – Members of GPO's internal design staff are experts in the latest and most secure design software and are ready to assist you in all stages of building a secure document. GPO has extensive experience and expertise in designing and producing security documents for the public and for Government clients including the U.S. Department of State and the U.S. Department of Homeland Security.
- **Security by Materials** – GPO has the experience needed in preparing technical specifications for security paper and security inks. GPO's Testing and Technical Service Division specializes in paper-mill inspections and technical audits, tracking and evaluating the latest secure technologies, and certifying technical recommendations on purchase awards of America's top security paper and ink manufacturers. The laboratory has a wide array of equipment and experienced personnel to perform technical analyses of secure paper and inks.

#### Micro Printing

Printing at a very fine line screen and resolution producing text that is nearly visible and fills in when photocopied or scanned.

#### Watermark

A translucent design created in paper by varying the distribution of fibers within an area of the paper to identify the manufacturer, brand, or customer. It is best seen when held up to a light. A watermark is not easily forged.

#### Split Ink Fountain

Printing with more than one ink in a printing fountain to achieve a unique, blended pattern that is difficult to reproduce.

#### Intaglio

A printing process that uses an etched or engraved plate producing very sharp printing that cannot be easily copied without filling in.

#### Visible Paper Fibers

Easily seen, randomly placed fibers that are added to the paper when it is manufactured. Can also add invisible UV properties so that the fibers will glow a different color under UV lights.

#### Color Shifting Ink

Ink that produces an image that shifts from one color to another based on the angle of the paper.

#### Penetrating Numbering Ink

Ink used to print black serial numbers with a red component that migrates through to the back of the sheet.



### Safety Paper

Paper with hidden words that appear in the duplicate when the document is copied or scanned.

### Guilloche

An ornamental pattern of two or more interlaced curved bands that produce a unique circular design. Commonly seen on banknotes.

### Security Thread

A thin strip of polymer film precisely embedded or windowed into the paper. The thread can be microprinted, demetalized, have UV features, and/or have optically variable characteristics.



### Serial Numbering

Sequential numbering to identify each document.

### Guilloche (printed as reverse)

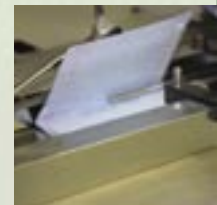
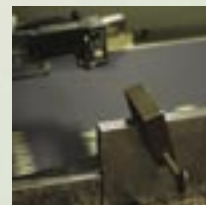
### Invisible Fluorescent Fibers

Fibers in paper that are invisible under normal viewing conditions but can be checked for authenticity by viewing the document under ultraviolet light.

- **Security by Print** – GPO ensures the safety and authenticity of secure documents by employing hundreds of individuals with security clearances in the areas of manufacturing, procurement, design, and delivery. GPO has the capability not only to print secure documents, but also to bind, finish, and distribute them to the end user. In addition to providing in-house printing services, we have decades of experience in procuring secure documents from the leading security printing contractors throughout the United States. GPO procurements include U.S. Treasury checks, Social Security cards, and many other secure and intelligent documents.
- **Security by Technology** – GPO provides expertise and experience in utilizing the Nation's leading anti-counterfeiting protection products. We are continuing to enhance our capabilities with the use of electronic technologies, such as Radio Frequency Identification (RFID) tags and Smart Cards, to increase the level of security our documents can offer.

**GPO's Security and Intelligent Documents Business Unit makes customer service its top priority and is the leader in providing secure documents in the most cost-effective manner for the U.S. Government.**

Federal agencies and businesses have lost billions of dollars due to fraudulent and counterfeit crimes. Sensitive Government documents should be kept as safe as possible from these types of offenses. GPO draws on many years of experience and expertise in the science and art of security printing, manufacturing, and procurement. Though GPO has hundreds of employees with security clearances, we also partner with some of the Nation's top security vendors who have vast knowledge in the areas of security design, materials, technology, and security printing.



**It is estimated that 13.3 people become victims of document and identity fraud every 60 seconds... and almost seven million victims per year.**

GPO employs security document production experts who work with Federal agencies to assist in the safe and secure creation and distribution of many products. Every product is protected from concept to design, from printing to final delivery. In the event secure storage space is required, GPO's facility provides secure storage options that protect some of the Nation's most valuable products including U.S. passports and U.S. Presidential inauguration products.



that is an astounding 19,000 victims a day  
Document Security is a national concern.

GPO's Security Solutions

- Federal Breeder Documents
- Electronic Security (PKI)
- Identification Credentials
- Event Invitations and Tickets
- Immigration Documents
- Travel Documents