ISO 14298 | CWA 15374

SIMPLIFY YOUR PROCUREMENT PROCESS

OF SECURITY PRINTING PRODUCTS

INTERGRAF

Who is Intergraf?

Intergraf is a not-for-profit association for the printing industry in Europe. We represent 20+ national printing federations from 20+ countries, speaking as one voice on behalf of printers. We work with the European institutions to promote and protect the interests of our sector, and to support its competitiveness through advocacy, information-sharing, and networking.

What we do

As part of this mission, we provide targeted services to the global security printing community. We organise **Intergraf Currency+Identity**, an independently funded, truly neutral platform where customers, printers and suppliers converge to engage with the most pressing issues in the banknotes and identity world today. And we play a key role in defining standards for the industry by offering **ISO 14298** and **CWA 15374** certification to security printers and suppliers. In doing so, we help solution providers and institutional end users to respond to the challenges they face in an increasingly competitive environment.

Are you responsible for selecting reliable partners for security printing products?

As an important decision-maker in procurement processes for sensitive security printing products, you are often faced with the difficult task of selecting reliable partners.

Security printing has changed drastically over the past decades. New technologies have emerged. Security features have grown in complexity to deter fraud and combat counterfeiting.

Yet some problems have grown larger, posing serious threats to both our industry and society as a whole - forged identity and travel documents facilitating illegal border crossings, counterfeit currency passing into worldwide circulation and false identities created from fake birth certificates, to name but a few.

Banknotes and identity documents are becoming ever more sophisticated, but so is counterfeiting. Security printers and their suppliers cannot afford to stand still. Closing gaps and keeping ahead of the counterfeiters on a global level remains a constant challenge.

Benefit from expert advice, consistency, transparency and efficiency

In today's globalised world where public policies can no longer be developed and implemented in isolation, international standards offer a means of communication and cooperation across borders, making them increasingly useful tools in the policy maker's kit.

Benefit from international standards that are precisely tailored to the needs of the security printing industry!

On the following pages we would like to introduce Intergraf's certification.
This brochure is intended as a small guide. We are happy to help you if you have specific questions, e.g. if you want to understand how the printing facilities of security printing companies should be secured, which special process steps have to be followed, etc.
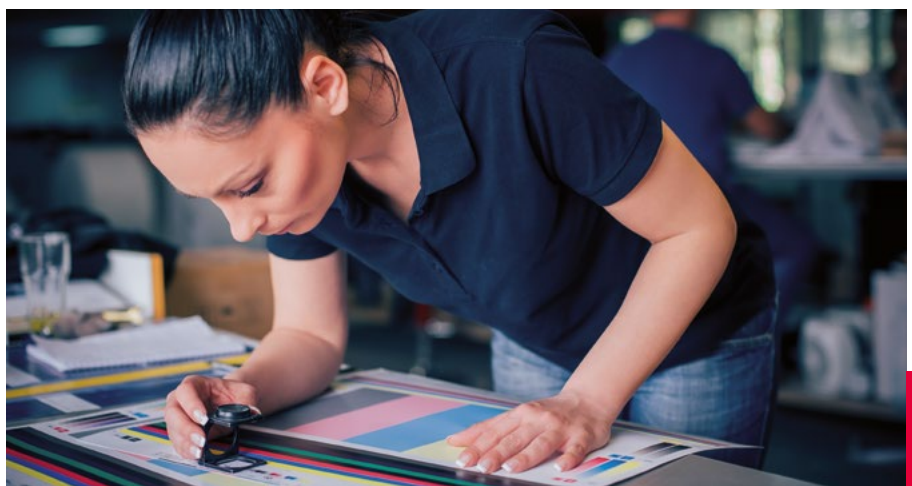
Ensure that experts look at security printing processes.

Short history of Intergraf's certifications

Intergraf has developed standards for security printers and their suppliers for over 20 years. We initiated the development of the CWA 14641, CWA 15374 and, most recently, ISO 14298 standards in cooperation with representatives from standardisation institutes and industry experts from 25 countries and 6 continents.

Intergraf certifications has since become a recognised reference for governments and the security printing industry, guaranteeing a high-quality management system and helping to fight counterfeiting of printed matter, such as ID documents, passports, banknotes, tax stamps and other products manufactured by security printers and their suppliers.

Over 150 production sites in 50+ countries across 6 continents are already reaping the benefits of Intergraf's certifications. Most of the globally renowned market players are among the certified companies. The list of certified companies is always updated and can be found on our website. It lists the name of the company, the validity of the certificate as well as the scope of the certification.

www.intergrafcertification.com

Our schemes in brief

From logical security to physical security to supply chain assurance, Intergraf's ISO 14298 and CWA 15374 ensure that a set of requirements is met to guarantee a high level of security across all operations and processes, eliminating risk for customers and their products.
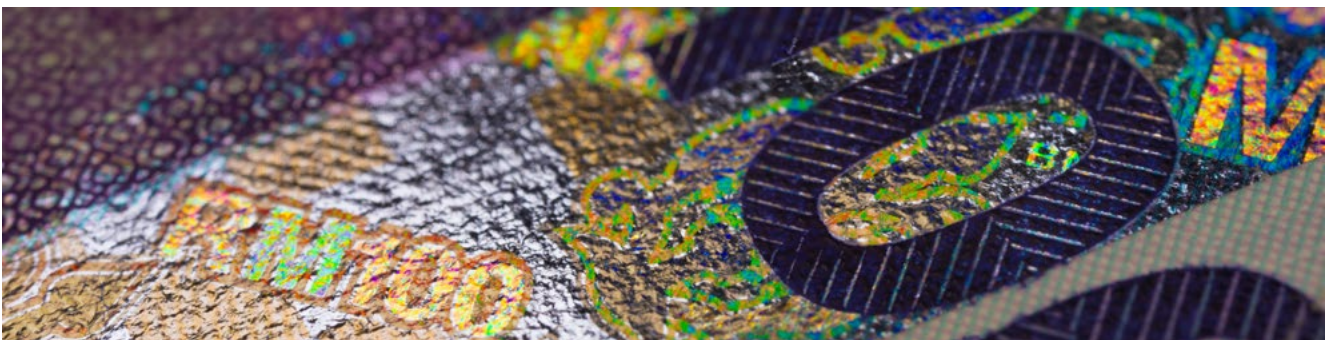
for printers
ISO 14298

specifies the requirements for the management of security printing and hologram manufacturing processes

for suppliers
CWA 15374

specifies the requirements for suppliers to the security printing industry

What is ISO 14298 and why an Intergraf ISO 14298 certificate?

The ISO standard for security printers, ISO 14298, specifies requirements for the management of security printing processes.

Besides the official and publicly available ISO 14298 standard, Intergraf provides confidential Implementation Guidelines and the Intergraf Certification Requirements (ICR), exclusively developed for the security printing industry and the specific needs of this market. Those requirements are confidential. Due to the highly secure nature of the products and industry, they not publicly available. They guarantee maximum security from development to deployment of a printed product.

The public ISO 14298 Standard does not detail specific measures companies need to take in order to secure their production processes. The Intergraf Certification Requirements (ICR) therefore complement the standard. They contain comprehensive guidance on implementing and ensuring a secure management system for security printers. Only once these requirements are fulfilled, confirmed by independent accreditation bodies, can a company be recognised as maintaining a high level of security and become an Intergraf certified 'Security Printer' according to ISO 14298.

Unlike the public ISO 14298, the Intergraf Certification Requirements (ICR) are reviewed and updated yearly to ensure that the highest standards of security are met. They enable companies to implement and maintain an outstanding security management system according to the latest technical developments. Crucially in today's increasingly competitive environment, they send a strong message of trust and guaranteed quality. Well-known associations such as the UPU (Universal Postal Union, a United Nations organisation) and IHMA (International Hologram Manufacturers Association) acknowledge and recommend certification according to ISO 14298 and the Intergraf Certification Requirements (ICR). It is also no coincidence that both the European Parliament and the European Council refer to Intergraf's ISO 14298 in their regulations for a uniform format for visa documents (EU) 2017/1370 and for residence permits for third-country nationals (EU) 2017/1954.

Intergraf's ISO 14298 applies to

Security printers, hologram manufacturers and producers of documents of value which are physically protected against counterfeiting by added security features, e.g. banknotes, ID cards, passports, driving licenses, postage and tax stamps, holograms, certificates, breeder documents, bank cards etc.

Intergraf's ISO 14298 certification levels

FUNDAMENTAL   applies to printers supplying commercial security printing products and security products for governmental organisations

GOVERNMENTAL   applies to printers supplying commercial security printing products and security products for governmental organisations including ID documents and/or passports

CENTRAL BANK   applies to printers supplying central banks or credit card issuing authorities and ID and/or passport personalisation centres

13 risk groups are covered by the Intergraf Certification requirements

The official ISO 14298 document stipulates 13 risk groups. These 13 risk groups form the chapters of the Intergraf Certification Requirements (ICR):

A. **Customer related risk**

B. **Information related risk**

C. **Security material, product and waste related risk**

D. **Supply chain related risk**

E. **Physical intrusion and access related risk**

F. **Personnel related risk**

G. **Disaster related risk**

H. **Security failure related risk**

I. **Security management related risk**

J. **Use of machinery related risk**

K. **Sales of equipment related risk**

L. **Transportation related risk**

M. **Any additional security related risks unique to the organisation**

Chapter M also contains requirements for stamps printers, hologram manufacturers and ID personalisation centres..

Below all 13 risk groups are explained. Please note that the content is a short description and does not represent the complete requirements. The full list of requirements for each risk area is to be found in the Intergraf Certification Requirements (ICR).

Summary of risk areas covered in the Intergraf Certification requirements

A **Customer Related Risk**
Documents provided by the customer shall show their entitlement to buy the product. Documented processes regarding order handling, changes, delivery, and receipt of goods shall be implemented and maintained.

B **Information Related Risk**
There shall be documented procedures and processes implemented and maintained which assure preservation of confidentiality, integrity, and availability of information. This includes procedures for IT and network security, to ensure that all media and network elements are protected against any security breaches. Procedures shall also consider the access to media and network elements by third parties.

C. **Security material, product and waste related risk**
The organisation shall be able to determine and ascertain any security-relevant material or product from receipt through storage and production to delivery to the customer and subsequent destruction of waste material and products. In addition, implemented processes must ensure that the status of all materials and products can be identified at each stage.

Summary of risk areas (D – M)

D.   Supply chain related risk
To safeguard the entire product value chain, the organisation shall enforce the evaluation and qualification of suppliers, and sub-contractors. Documents provided by the supplier or subcontractor shall show their entitlement to sell/produce the product. There shall be a procedure for defining, agreeing, and verifying the purchasing process for security-relevant materials.

E.   Physical intrusion and access related risk
The organisation shall have strict procedures and processes in place to safeguard its premises, personnel, and other assets. A set of security measures shall be implemented to ensure and maintain internal and external security.

F.   Personnel related risk
The organisation shall have procedures and processes implemented to prove that personnel is screened and trained prior to employment and regularly during their contract.

G.   Disaster related risk
The organisation shall have procedures implemented and maintained, in case of any kind of disaster, such as a natural disaster or malicious attack. These procedures shall ensurethat the consequences resulting from the disaster are mitigated.

H.   Security failure related risk
The organisation shall have procedures implemented and maintained to ensure security in case of any failure or breach of security.

I.   Security management related risk
Top management shall be committed to communicate and strengthen the security culture of the organisation and have the relevant procedures implemented and maintained.

J.   Use of machinery related risk
The organisation shall have processes in place against unauthorized access to machinery, and protection against unauthorized operation.

K.   Sales of equipment related risk
The organisation shall have procedures implemented and maintained to evaluate the buyer when selling security printing related production machinery. All parts that could carry data shall be wiped prior to selling.

L.   Transportation related risk
The organisation shall have procedures and processes implemented and maintained to ensure that material/product is packed, stored, loaded, or unloaded, transported, and delivered under controlled and secure conditions and in vehicles that provide adequate security.

M.   Any additional security related risks unique to the organisation
The organisation shall have procedures and processes in place to mitigate any additional security risk that is specific to it. This includes but is not limited to the organisation's activities, products, location, customers, or processes.

With regard to the interpretation and implementation of this set of requirements, local legislation is taken into due account. Whilst fully respecting local legislation, the aims and the spirit of these requirements shall be followed as much as possible with the objective of implementing the highest possible level of security for each aspect.

What is CWA 15374?

The CWA 15374 was set up by Intergraf and CEN (the European Normalisation Centre) in 2005 in order to complement the ISO 14298 and ensure security for the entire supply chain. Companies certified according to CWA 15374 supply security printers with features, components, substrates or other security relevant components that are integrated into the final product. The CWA 15374 is also valid for companies supplying software or machinery to security printers.

Just like ISO 14298, the Intergraf CWA 15374 standard is based on the idea of continuous improvement, combines a variety of risk-based requirements and guarantees maximum security for the entire supply chain.

For this standard, extensive and tailor-made criteria have also been developed to ensure the processes.

▶ **Normative document for the Implementation of CWA 15374:2018**

▶ **Intergraf Certification Requirements for CWA 15374:2018**

Intergraf's CWA 15374 applies to

Suppliers of products that include security features and suppliers of services that ensure the physical security of printed matter manufactured by a security printing company, e.g. producers of inks, security paper, lamination plates, security foils, inlays, security design software, substrates, pigments, coatings, machinery etc.

Certification procedure

Security printing companies and their suppliers apply to Intergraf. After an initial security screening aiming to establish if the company is eligible, they are granted access to the confidential Intergraf Certification Requirements (ICR) to prepare for the audit.

The company's production site is thoroughly audited against all security management requirements determined by the Intergraf standards and the detailed confidential Intergraf Certification Requirements (ICR). An annual audit is conducted to verify compliance of the high level of security during the 3-year certification period.

Certification cycle

Certification is a long-term project of continual improvement. Your certificate is valid for 3 years. To ensure continued compliance with the standard, a first control audit will take place in year 2, followed by a second in year 3. After 3 years, a re-certification audit must be conducted.

YEAR 1
(Re-)Certification audit → **YEAR 2**
Control audit 1 → **YEAR 3**
Control audit 2
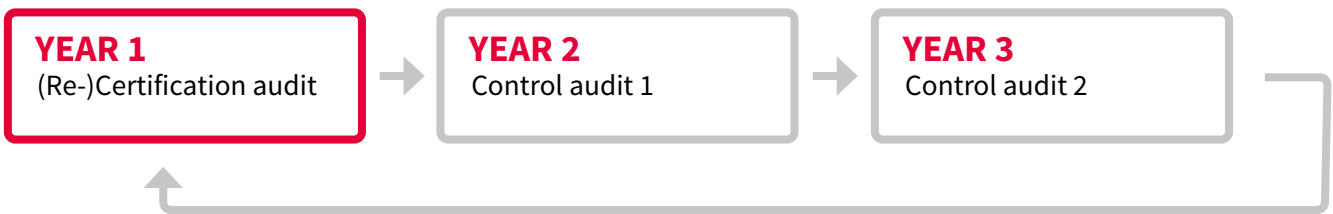
Auditors

Independent Intergraf accredited auditors will ensure an assessment of a company's security management system. This will assure top management that its system is compliant with the requirements of the standard. Intergraf accredited auditors have many years of practical, hands-on experience and a high level of sector expertise. They travel all over the world. Their system skills, combined with a keen eye for what is important, allow them to provide information for improvement, and direction for decision making processes.

What are the benefits for your procurement process?

ISO standards draw on international expertise and experience. Therefore they are a vital resource for governments, tender issuing authorities and other end customers when developing public policy. ISO 14298 certification according to Intergraf can be used to support public policy, for example, by referencing it in regulations or tenders.

+ Expert opinion

ISO standards are developed by experts. By integrating Intergraf's ISO 14298 certification into national regulations or tenders, governments can benefit from international expertise without having to call on consultants themselves.

+ Consistency

Intergraf's ISO 14298 certification is international and adopted by many governments. By integrating it into national regulation, governments help to ensure that requirements are the same worldwide and standards are globally relevant.

+ Governance

Greater transparency in public procurement and essential requirements for the production of security printing products.

+ Efficient and cost effective

Enables governments to provide detailed security and process requirements in public tenders without making it unnecessarily long and complicated, thus saving time and money.

+ Sign of trust

Successful certification according to Intergraf's ISO 14298 + CWA 15374 are trusted signals of an organisation's resilience to risk and potential threats. Governments, tender issuing authorities and other end customers can rely on a trusted security printer and security supplier without having to invest in or establish their own criteria.

+ Fighting forgery

Contribute to fighting forgery and counterfeiting. Intergraf's ICR is updated yearly to ensure state-of-the-art security requirements.

> **Requesting ISO 14298 certification according to Intergraf Certification Requirements (ICR) is a secure, cost- and time-saving tool, as well as a requirement for use in tender documents, RFPs and contracts. It is also a long-term strategy to prevent security breaches, theft and counterfeiting.**

Meet our team

Dedicated and knowledgeable, our team collaborates closely with you to deliver exceptional customer support throughout your certification journey.

For many years, we have been trusted partners of security printers and suppliers all over the world. Our global experience with security management systems in the graphic industry makes us the ideal partner – independent, pragmatic and objective!

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