

Piet Lakeman, a Fraud Control Manager for the Fraud Management Department, Visa Europe, London United Kingdom, is explaining the value of risk analyses.

Sjef Broekhaar is Research & Development Manager at the Personal Records and Travel Documents Agency of the Ministry of the Interior and Kingdom Relations. He described the application and issuance process.

Tommy Nordberg, Senior Vice President, Government & Corporate, joined Setec Oy in 1998 as Product Manager. His contribution is giving focus on the use of new substrates.

Documents can embrace a number of issuing bodies, forms and producers. Despite the diversity there is nonetheless much which is axiomatic, or given. These givens provide the logic which can be followed during the developmental process. This logic has also been used by the editors in the organisation of this book. Despite the development of documents often being viewed as a highly technical process, in a number of areas it is important to possess a good insight into the concepts which are being employed. We refer too often to the identity function of a document without really knowing what an identity is. There is also talk of the modernisation which one wishes to carry out by including biometrics during the development of documents. But what exactly is biometrics, and is it really as suitable for application as large numbers of people maintain?

Have you ever considered what lies behind the development of a document? Documents are unusual products in that they have an official quality. This characteristic requires the greatest care in making choices. These choices imbue every document with a reflection of the environment in which it grew: among other aspects the framework for the development of a document can embody the history of previous generations, the function, the ethos, the financial instruments and the technical capabilities. Every document is the product of a given situation and in most cases it is difficult to compare documents without having knowledge of the environment where the product has been developed. Without being aware of it we have daily access to any number of security documents. Look into a wallet and be surprised at the quantity of documents – namely monetary documents which you always have with you. For every document customers and producers have immersed themselves in a variety of aspects: from a security concept through to

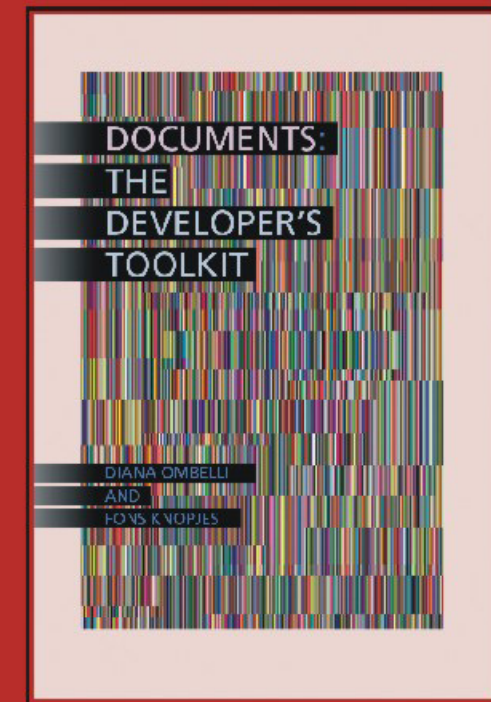
the logistical infrastructure. The development of a document can be seen as a chain, in which the weakest link determines the strength of the entire chain. A strong chain thus comprises well balanced components. During the development of a document, serious analysis needs to be carried out into the circumstances in which the document will exist. It's merely a number of questions which one poses. On the basis of the questions and answers the customer – and at the next stage the producer – will make their choices.

Security documents developed these days are becoming increasingly multifunctional. This is well illustrated by the passport. Article 13 of the "Universal Declaration of Human Rights" proclaimed during the 1948 General Assembly of the United Nations, recognised every individual's right to travel. It accords individuals the right to move freely within the borders of each state. To this end one must use a passport. Traditionally the passport is thus a travel document. Looking at the current situation we notice that beyond being a travel document, the passport also fulfils a number of other functions, for instance is used to verify someone identity.

For all parties involved in this complex process of document development is "Documents: the Developer's Toolkit" a sine qua non.

This book will be published later on this year by the Portuguese publisher **Via Occidentalis, Editora Lda**. The visitors of this event are offered in advance to subscribe for "Documents: the Developer's Toolkit". If you fill out the questions beneath you will be contacted as soon as the book is available and will be able to order directly a copy.

Documents: the Developer's Toolkit



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The identity verification is becoming a daily routine world-wide. For managing this verification process in a proper and integer way, it is conditional that the documents used for this purpose, are highly reliable and easy to check. Those requirements influence greatly the choices of issuers and producers of security documents. This challenged the Swiss and the Dutch document specialists, **Diana Ombelli** and **Fons Knopjes**, to edit a book about how security documents come to being. The Editors have worked closely with a number of influential international experts to glean and record their knowledge and experience. The result will be soon published in "Documents: the Developer's Toolkit".

After having successfully being involved in a number of high security documents projects, Diana and Fons draw the conclusion that developing a document is a complex and extremely fascinating process. Consider for instance the types of materials which have been spectacularly changed during the last five years. The manufacture of identity documents knows in fact an increasingly use of polymer for more robustness and better security.

During their career the Editors experienced all sorts of situations: the lack of information by the involved parties, the jungle of products specifications, the intricacy of rules and regulations, the magnificence of a freshly printed document and the fulfilment of a well completed project. In their quest of excellence, they couldn't find models for the development of a security document. Very little literature and reference material are available about this subject. Therefore they choose to share their know-how with those in the know and the newcomers, so that one can gain a realistic insight into what she or he might expect to encounter.

The Developer's Toolkit aspires to get a good overview of all topics related to the development and implementation of a new security document as well as to offer some inspiration in setting up the project. However the book is not a do-it-yourself manual indicating step-by-step the way to follow, but it should represent a reference, where the developer of a security document can find tools and ideas to fine-tune the project and the product.

The book is organised in such a way that a large number of the aspects are bundled in chapters and after reading all of them, one will have gained a good insight of the subject. The Editors don't pretend to offer an exhaustive answer to every question one could pose, their intention is rather to suggest a number of issues which have to be addressed during the developmental route and give a several of sources of information.

The Developer's Toolkit is covering issues as worked out in the draft content beneath.

Chapter 1 General introduction

Definition of security documents
Functional characteristics
Level of security
The chain of life of a security document
Quality
Defining the process
Overview of the next chapters

Chapter 2 Getting ready

Analysis
Countermeasures
List of requirements
Project management
Issues
Standards

Chapter 3 Producer

Producer or system integrator?
Tender procedures
The contract

Chapter 4 Concept and product development

From application to issuance
Product development (incl. materials, security features and personalisation techniques)
Testing
Mass production

Chapter 5 Identification

Forensic identification
Biometrics
Digital identification

Chapter 6 Information and training

Information sources
International co-operation
Training and quality of training

Diana and Fons asked the following people to contribute to the book with their expertise. The combination of their practical knowledge and their experience in the field of documents makes this book unique.

Birgit Cardell and **Nils Ångström** are booth from the Swedish National Laboratory of Forensic Science in Linköping have explained their vision on security document and the forensic investigation possibilities.

Charles Chatwin, a former manager of security printer De La Rue, works currently as a Consultant in Security Printing and Identification and edits standards for ISO and ICAO.

Chuck Baggeroer, Director of Security Technologies for Datacard Group contributed with his knowledge about the personalisation process of documents.

Cor Buursma and **Paul Ponsioen**, booth former senior project managers working for Sdu Identification open up their long experience in developing documents and how to manage such projects.

Daniele Graber, lawyer in Zürich, Switzerland, contributed with his experience in tender procedures.

Didier Meuwly a Swiss Forensic Expert working at the National Forensic Institute in the Netherlands is bringing clearness in the identification process.

Ineke Ruiter, Managing Director of ID Management Centre opened up her experience with the contract constructions and negotiations.

Isabel Baltazar heads the ID and Fraud Unit of the Portuguese Serviço de Estrangeiros e Fronteiras. She wrote about her experience in the field of training of inspectors.

Jan-Heim van Blankenstein, **Mike Dell**, booth senior consultant and project manager in information security at Montelbaan Internet & ICT BV and **Idius Felix** working for Atos Origin in the Netherlands, are giving an insight in the last developments about digital identification.

Jim Wayman is heading the Biometric Test Centre in the College of Engineering at San Jose State University. His contribution gives a insight in the state of the art of biometrics in ID documents.