

NORWEGIAN ID CENTRE'S CONFERENCE ID-dagen 2015

**ON OUR WAY TO A
MINIMUM SECURITY STANDARD
FOR EUROPEAN
BREEDER DOCUMENTS**
It's all about identity

Ronald BELSER



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**Immigration and Naturalisation Service
KINGDOM of the NETHERLANDS**

BREEDER DOCUMENTS,
THE WEAKEST LINK IN THE IDENTITY CHAIN

**SO WE NEED A MINIMUM SECURITY
STANDARD FOR BREEDER DOCUMENTS.**



**BREEDER DOCUMENTS,
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● **IDENTITY**

- Religious identity
- Ethnic identity
- Cultural identity
- Social identity
- Etc. identity

**Cultural
identity**



PERSONAL IDENTITY (who are you)

BREEDER DOCUMENTS,
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-
- **PERSONAL IDENTITY** (unique identity)
 - **Name**
 - **Date of birth**
 - **Place of birth**
 - **Name of the parents**
 - **Nationality**
 - **Gender**
 - **Registration**

-
- **IDENTITY in the past**
 - In the past we nearly did use a personal or unique identity. We used the identity of the religious-, cultural, social- or ethnical group who we belong.
 - This group of people didn't need any personal Identity documents.
 - Only small group of people use a personal or unique identity like pilgrims, peddlers, beggars and messengers.
 - To prove the "right" identity they often use a kind of laissez-passer when they are traveling around and cross borders.

- Arvicola pygmaea*
1. *Arvicola pygmaea* f. *maia* Say.
Gall. *pygmaea* f. *maia* Say.
1874. 1. 1. 1.
 2. *Arvicola pygmaea* f. *maia* Say.
Gall. *pygmaea* f. *maia* Say.
1874. 1. 1. 1.
 3. *Arvicola pygmaea* f. *maia* Say.
Gall. *pygmaea* f. *maia* Say.
1874. 1. 1. 1.
 4. *Arvicola pygmaea* f. *maia* Say.
Gall. *pygmaea* f. *maia* Say.
1874. 1. 1. 1.

Tag.	Kind.	Eltern.	Bevaternde.
722. in 12 ^{ten} Jah.	Johann Georg.	Hann. D. Adam Zoll. pontif. helig. u. Anna Catharina.	Hann. D. Jörg. glattbrüder. Rev. Gemeinsh. am Con. Anna Margareta
722 ¹ / ₂ mit 20. Jah. 17. Jan.	Anna Elisabetha. X	Hann. D. gl. L. Gemeinsh. u. Anna Catharina	Hann. D. Jacob M. Zucker, Pöhlbauer auf dem Hauß und Clara Catharina uor eijer
722. in 20. Novbr.	Geinhard Philipp + Denderich.	c. T. Herr Chri- stoph Ferdinand von Regeßfeld. Herr zu H. Ritt. Coni. H. Frau Clara großm. von Ge- mingen.	H. Herr Johann Hoff ganz altherge Güte von Regeßfeld, Herr zu Rittscheld und Rapp- old und Herr von Gm- b. H. Herr d. L. Herr Ludwig von Regeßfeld, Herr zu H. R. R. R.



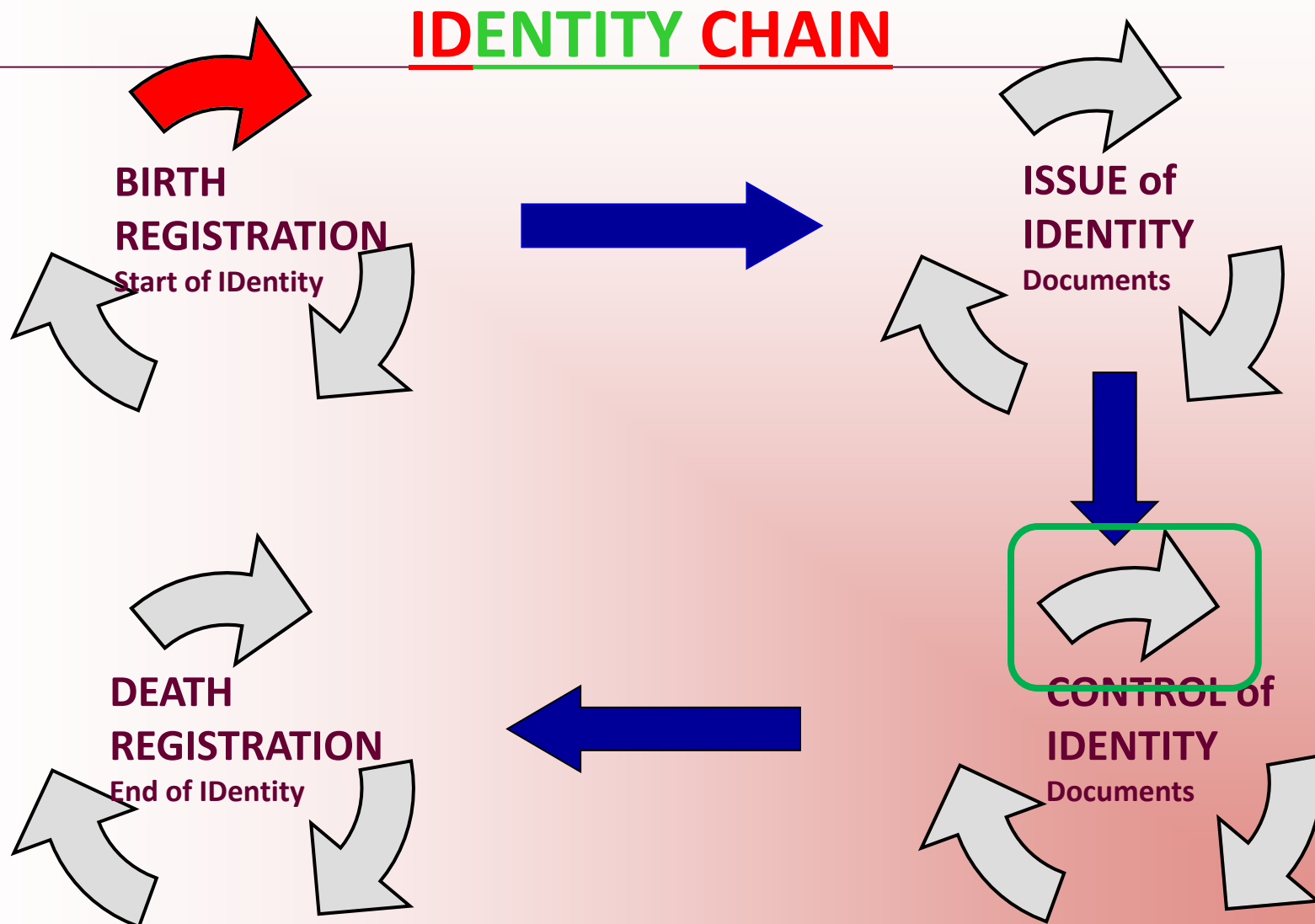
- **IDENTITY registration today**
 - In a modern way in databases
 - Or in a less modern



**Municipality
Monrovia (Liberia)**

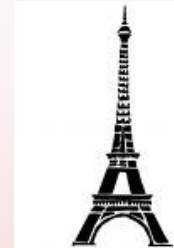
BREEDER DOCUMENTS,
THE WEAKEST LINK IN THE IDENTITY CHAIN

**SO WE NEED A MINIMUM SECURITY
STANDARD FOR BREEDER DOCUMENTS.**



PARIS 1920

Conference on passports and customs formalities



**Since 1920 we had a lot of attention for
travel-, identity-, residence documents and visa**

World wide (global-recommendation)

We have ICAO MRTD doc. 9303 with specifications for:
part 1. Traveldocuments
part 2. Visa
part 3. ID-documents with a travel function

Europe (regional-regulation/legislation)

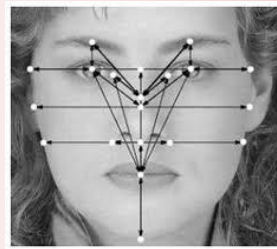
Regulation for uniform format for EU visa
Regulation for passports of European member states
Regulation for uniform format for EU residence permit

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Thanks to ICAO and ISO, Launch of the **ePassport**
– specified by **ICAO (9303)**

- most secure travel document ever
- **embedded RFID chip**
- **contains electronic ID data** (e.g. fingerprint, face...)



chip features
& data



VIS

UV

IR



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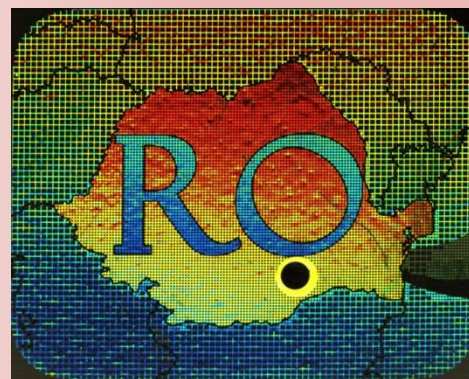
EU regulation 2252/2004 **Minimum Security Standards** for all **EU MS e-passports:**
EU regulation 1683/95 **Harmonized EU visa sticker** for all **MS**
EU regulation 1030/2002 & 380/2008 **Harmonized EU Residence Permit** for all **MS**

Material

**Printing
Technique**

**Copy
Protection**

**Issuing
technique**



CZE: watermark

SVK: Intaglio: latent image

ROU: hologramm

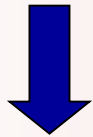
BIH: ink-jet personalization

BREEDER DOCUMENTS,
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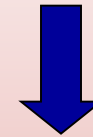
**SO WE NEED A MINIMUM SECURITY
STANDARD FOR BREEDER DOCUMENTS.**

TRAVEL- CONTRA BREEDER DOCUMENTS

WHAT IS DIFFERENCE BETWEEN THESE DOCUMENTS



- **REGULATION (ICAO / EU)**
- **INTERNATIONAL TREATY**
- **WELL-ORGANIZED AMOUNT**
- **SYSTEMS AND HANDBOOKS**
- **SECURITY FEATURES**



- **NO REGULATION**
- **NO INTERNATIONAL TREATY**
- **UNKNOWN AMOUNT**
- **NO SYSTEMS AND HANDBOOKS**
- **HARDLY ANY SECURITY FEATURES**

BREEDER DOCUMENTS,
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**SO WE NEED A MINIMUM SECURITY
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**WHY DO WE HAVE IN GENERAL SO
MANY ATTENTION FOR
TRAVEL-, IDENTITY AND RESIDENCE DOCUMENTS AND VISA**

and

**SO LESS ATTENTION FOR BREEDERDOCUMENT
WHO ARE OFTEN THE BASIS FOR ISSUING AN IDENTITY
DOCUMENT, PASSPORT OR RESIDENCE PERMIT.**

BREEDER DOCUMENTS,
THE WEAKEST LINK IN THE IDENTITY CHAIN

**SO WE NEED A MINIMUM SECURITY
STANDARD FOR BREEDER DOCUMENTS.**

**THIS WHILE EVERYONE KNOWS
BREEDER DOCUMENTS AND TRAVEL DOCUMENTS
HAVE IN COMMON
THAT THEY BOTH SERVE TO
ESTABLISH SOMEONE'S (UNIQUE) IDENTITY**

**THIS WHILE EVERYONE KNOWS
THERE IS A DIRECT (IDENTITY) LINK
BETWEEN BREEDERDOCUMENTS
AND THE TRAVEL-, IDENTITY- AND RESIDENCE DOCUMENTS
THAT ARE ISSUED
DURING THE LIVETIME OF THE IDENTITY CHAIN.**

BREEDER DOCUMENTS,
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SHIFT OF FRAUD

FROM DOCUMENT FRAUDE
falsifying or counterfeiting

to

APPLICATION FRAUD
presenting a counterfeit breeder document

BREEDER DOCUMENTS, THE WEAKEST LINK IN THE IDENTITY CHAIN

SO WE NEED A MINIMUM SECURITY
STANDARD FOR BREEDER DOCUMENTS.

Consequences

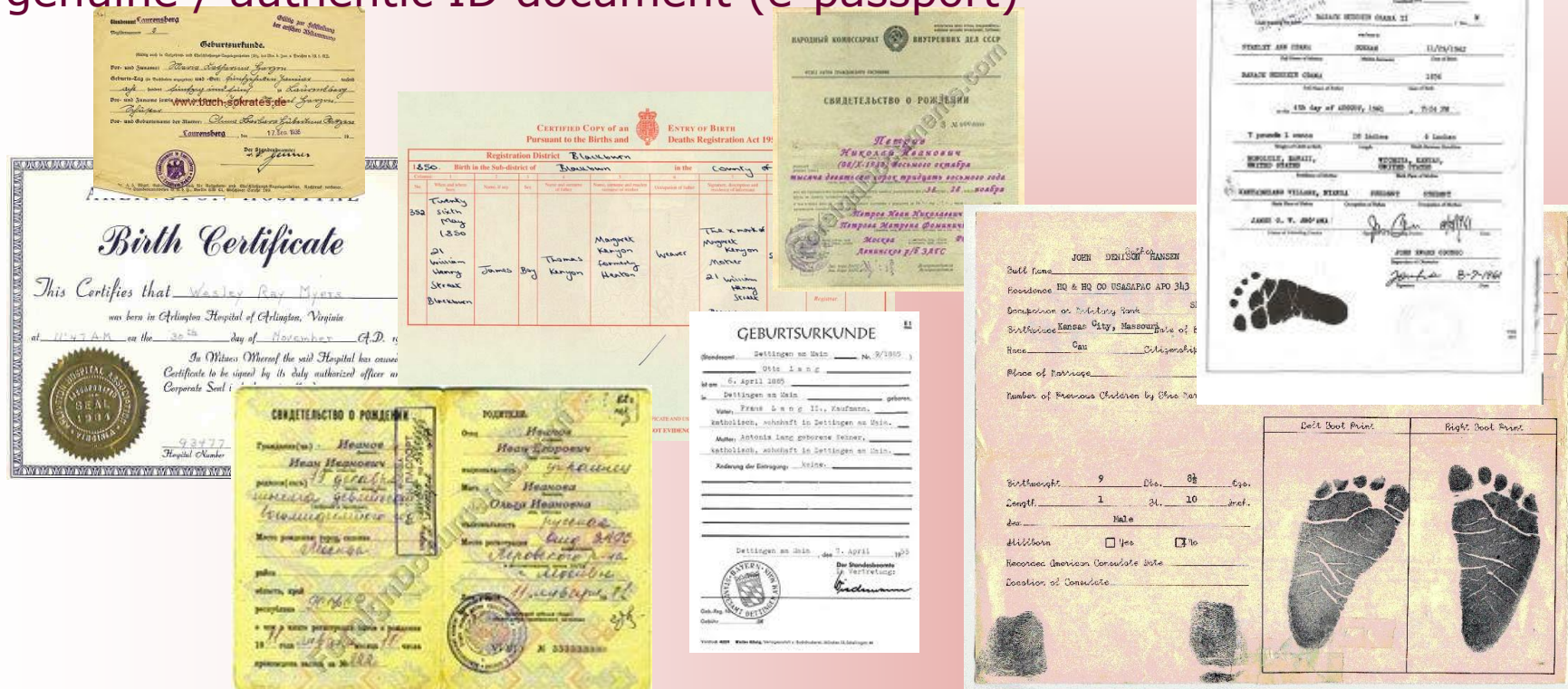
Can be counterfeited quite easily

Breeder documents (e.g. birth certificates):

have no common format, content or common set of security features

Main problem

false (breeder) documents in the application processes will lead to
genuine / authentic ID document (e-passport)



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**TRUST IN BREEDERDOCUMENTS
INCREASE THE INTEGRITY OF
THE e-DOCUMENT ISSUING AUTHORITY
IN COMMON**

&

**INCREASES THE LEVEL OF ACCEPTANCE
OF THE (e)DOCUMENTS
IN PARTICULAR.**

... can we trust the million eID documents that are in circulation ?



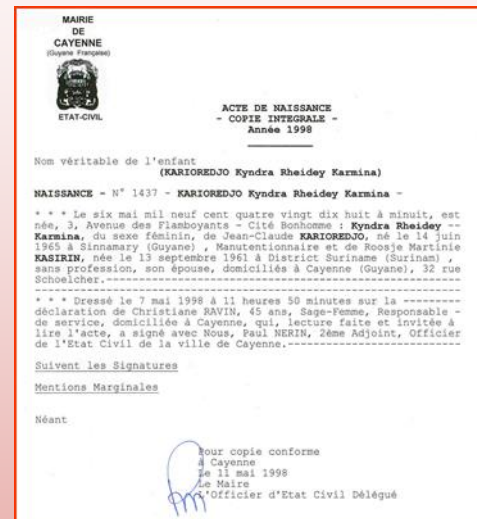
Example: In France 500,000 to 1 million of the 6.5 million biometric passports in circulation are estimated to be false, having been obtained on the basis of fraudulent breeder documents.

(see e.g. article in “Le Parisien”, 19.12.2011)

Dutch Analyse of 350 (French)passports

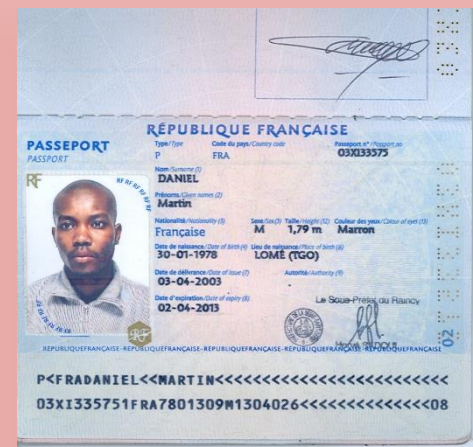
- **Birthcertificate:**

- false / falsified (92%)
- from a other person / ID theft (8%)
- no security elements
- digital reproduction
- no investigation by issuing authorities
*often the same place of birth, year of birth 1965 – 1985
issuing place different from place of birth.
applicants from: west-Africa , north-Africa and Caribbean*



- **Traveldocument:**

- issuing by authorities
- all security elements
- status oké
- fraudulent issuing

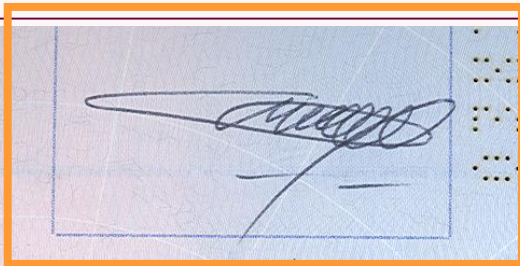


BREEDER DOCUMENTS,

THE WEAKEST LINK IN THE IDENTITY CHAIN

SO WE NEED A MINIMUM SECURITY

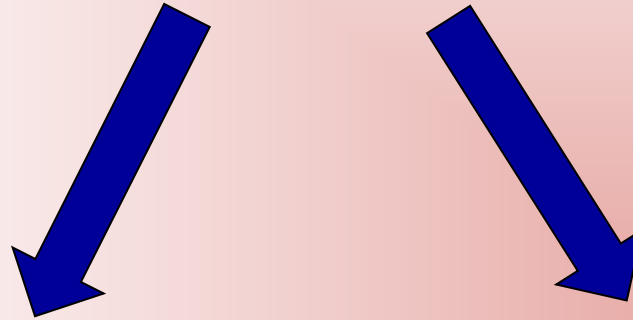
STANDARD FOR BREEDER DOCUMENTS.



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EU FUNDED PROJECTS **on breederdocuments** FP 7 projects



FIDELITY

01-02-2012 till 01-01-2016

ORIGINS

01-01-2015 till 01-01-2017



Breeder document main goals

- Formulate basic requirements/to propose solutions for the process of the issuance, verification, **and using of breeder documents in Europe**
- Recommendations for **reliable** breeder document management processes
- Consider/Define the **general life cycle** of a breeder document
- Consider **international (EU/ICAO) discussions and activities**
- ePassport issuing process, **security of breeder documents**

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Harmonised layout

based on the 2013 draft ICCS (CIEC) Convention recommendations

BIRTH CERTIFICATE
GEBURTSURKUND/CERTIFICAT DE NAISSANCE

01. DOCUMENT NUMBER: **D001456BABC0123**

02. PLACE OF BIRTH: **Brandenburg**

03. DATE OF BIRTH: **15.12.1990**

04. SEX OF THE CHILD: **F**

05. SURNAME OF THE CHILD: **Mustermann**

06. FORENAMES OF THE CHILD: **Erika, Maria, Sophia**

07. SEX OF THE FIRST PARENT: **F**

08. SURNAME OF T. F. P.: **Schmidt**

09. FORENAMES OF T. F. P.: **Katharina**

10. BIRTH NAME OF T. F. P.: **Mustermann**

11. SEX OF THE SECOND PARENT: **M**

12. SURNAME OF T. S. P.: **Mustermann**

13. FORENAMES OF T. S. P.: **Jakob Thomas**

14. BIRTH NAME OF T. S. P.: **-**

15. NAME OF THE ISSUING AUTHORITY: **Standesamt Mitte**

16. DATE OF ISSUANCE: **22.12.1990**

17. PLACE OF ISSUANCE: **Berlin**

18. DATE OF BIRTH OF THE FIRST PARENT: **31.12.1965**

19. PLACE OF BIRTH OF T. F. P.: **Hamburg, Germany**

20. CITIZENSHIP OF T. F. P.: **German**

21. CREDENTIAL NUMBER OF T. F. P.: **D0012345XYZ1234**

22. DATE OF BIRTH OF THE SECOND PARENT: **01.02.1960**

23. PLACE OF BIRTH OF T. S. P.: **Wien, Austria**

24. CITIZENSHIP OF T. S. P.: **Austrian**

25. CREDENTIAL NUMBER OF T. S. P.: **AUT98765ABCDEF**

26. NAME OF THE ISSUING OFFICER: **Klaus Mueller**

27. BIRTH PLACE ADDRESS: **Zentralkrankenhaus, Musterstr. 1, 12345 Brandenburg**

28. TIME OF BIRTH: **21:00**

29. SECONDARY IDENTIFICATION NUMBER: **123456789ABCDE**

Signature/Unterschrift: *K. Mueller*

30. REMARKS: **none**

1. numéro du document 2. lieu de naissance 3. date de naissance 4. sexe de l'enfant 5. nom de l'enfant 6. prénoms de l'enfant 7. sexe du premier parent 8. nom du premier parent 9. prénoms du premier parent 10. nom de naissance du premier parent 11. sexe du second parent 12. nom du second parent 13. prénoms du second parent 14. nom de naissance du second parent 15. nom du parent chargé de la délivrance 16. date de délivrance 17. lieu de délivrance 18. date de naissance du premier parent 19. lieu de naissance du premier parent 20. nationalité du premier parent 21. nom de l'acte de naissance du premier parent 22. date de naissance du second parent 23. lieu de naissance du second parent 24. nationalité du second parent 25. nom de l'acte de naissance du second parent 26. nom du parent chargé de la délivrance 27. adresse du lieu de naissance 28. heure de naissance 29. numéro d'identification secondaire 30. remarques

1. Dokumentennummer 2. Geburtsort 3. Geburtsdatum 4. Geschlecht des Kindes 5. Nachname des Kindes 6. Vornamen des Kindes 7. Geschlecht des ersten Elternteils 8. Nachname des ersten Elternteils 9. Vornamen des ersten Elternteils 10. Geburtsname des ersten Elternteils 11. Geschlecht des zweiten Elternteils 12. Nachname des zweiten Elternteils 13. Vornamen des zweiten Elternteils 14. Geburtsname des zweiten Elternteils 15. Name der ausstellenden Behörde 16. Ausstellungsdatum 17. Ausstellungszeit 18. Geburtsdatum des ersten Elternteils 19. Geburtsort des ersten Elternteils 20. Staatsangehörigkeit des ersten Elternteils 21. Nr. des Ursprungsdokuments des ersten Elternteils 22. Geburtsdatum des zweiten Elternteils 23. Geburtsort des zweiten Elternteils 24. Staatsangehörigkeit des zweiten Elternteils 25. Nr. des Ursprungsdokuments des zweiten Elternteils 26. Name des ausstellenden Beamten 27. Geburtsort / Anschrift 28. Uhrzeit der Geburt 29. Nummer der Drittperson (z.B. Zeuge) 30. Bemerkungen

1. documento n. 2. luogo di nascita 3. data di nascita 4. sesso del bambino 5. cognome del bambino 6. nomi del bambino 7. sesso del primo genitore 8. cognome del primo genitore 9. nomi del primo genitore 10. cognome di nascita del primo genitore 11. sesso del secondo genitore 12. cognome del secondo genitore 13. nomi del secondo genitore 14. cognome di nascita del secondo genitore 15. autorità 16. data di rilascio 17. luogo di rilascio 18. data di nascita del primo genitore 19. luogo di nascita del primo genitore 20. cittadinanza del primo genitore 21. numero del certificato di nascita del primo genitore 22. data di nascita del secondo genitore 23. luogo di nascita del secondo genitore 24. cittadinanza del secondo genitore 25. numero del certificato di nascita del secondo genitore 26. nome del funzionario 27. indirizzo del luogo di nascita 28. ora di nascita 29. numero di identificazione secondario 30. commenti

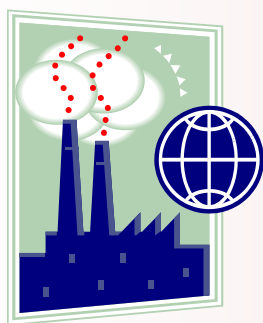
1. document number 2. geboorteplaats 3. geboortedatum 4. geslacht van het kind 5. achternaam van het kind 6. voornamen van het kind 7. geslacht van de eerste ouder 8. achternaam van de eerste ouder 9. voornamen van de eerste ouder 10. geboortenaam van de eerste ouder 11. geslacht van de tweede ouder 12. achternaam van de tweede ouder 13. voornamen van de tweede ouder 14. geboortenaam van de tweede ouder 15. naam van de uitgevende instantie 16. afgiftedatum 17. afgiftetijd 18. geboortedatum van de eerste ouder 19. geboorteplaats van de eerste ouder 20. nationaliteit van de eerste ouder 21. nummer van de geboortakte van de eerste ouder 22. geboortedatum van de tweede ouder 23. geboorteplaats van de tweede ouder 24. nationaliteit van de tweede ouder 25. nummer van de geboortakte van de tweede ouder 26. naam van de uitgevende functionaris 27. adres van de geboorteplaats 28. geboortetijd 29. tweedijs. Nummer (functionaris/instelling) 30. opmerkingen

1. número de documento 2. lugar de nacimiento 3. fecha de nacimiento 4. sexo del niño 5. apellido(s) del niño 6. nombre(s) del niño 7. sexo del primer progenitor 8. apellido(s) del primer progenitor 9. nombre(s) del primer progenitor 10. apellido de soltero del primer progenitor 11. sexo del segundo progenitor 12. apellido(s) del segundo progenitor 13. nombre(s) del segundo progenitor 14. apellido(s) de soltero del segundo progenitor 15. nombre de la autoridad emisora 16. fecha de emisión 17. lugar de emisión 18. fecha de nacimiento del primer progenitor 19. lugar de nacimiento del primer progenitor 20. nacionalidad del primer progenitor 21. número de credencial del primer progenitor 22. fecha de nacimiento del segundo progenitor 23. lugar de nacimiento del segundo progenitor 24. nacionalidad del segundo progenitor 25. número de credencial del segundo progenitor 26. nombre del funcionario responsable de la emisión 27. dirección del lugar de nacimiento 28. hora de nacimiento 29. número de identificación secundario 30. comentarios

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Pre-production



Centralized production of
pre-personalised
documents containing:

- Unique Number
- Optical security features
- Double ID-3 format



Final
personalization
at the local
authorities

Personalized
document
handed out to
the citizen



ORIGINS

MAIN/OVERALL PROJECT OBJECTIVES

- **Analyse the current use of breederdocuments during the application and issuing proces of e-passports;**
- **Identity security loopholes in this proces;**
- **Propose adequate security measures and processes to enhance the security of breederdocuments and**
- **Promoting a harmonized breederdocument in EU memberstates**

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ORIGINS

www.origins-project.eu



www.fidelity-project.eu

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IDENTITY

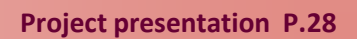
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World wide (global)

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Europe (regional)

Regulation for passports of European member states
Regulation for uniform format for EU visa
Regulation for uniform format for EU residence permit
Regulation for minimum standard of breeder documents (EG 20??-)



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part 1. Travel documents

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Part 4. Breeder document specifications

Europe (regional)

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Regulation for minimum standard of breeder documents (EG 20??-)

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146.880



ORIGINS



The FIDELITY and ORIGINS projects receives funding from the European Community's Framework Programme



More information: www.fidelity-project.eu





THANK YOU