



TWC/26/22

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

**TECHNICAL WORKING PARTY ON AUTOMATION AND
COMPUTER PROGRAMS**

Twenty-Sixth Session
Jeju, Republic of Korea, September 2 to 5, 2008


ELECTRONIC APPLICATION FORMS


Document prepared by experts from Germany

 Bundessortenamt

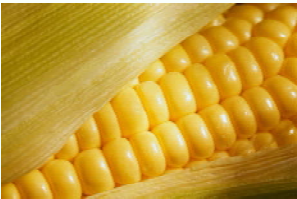
Electronic application forms
Bundessortenamt Hannover – Germany
2008




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 Bundessortenamt

Schedule



- BundOnline-Project (2004-2005)
- Pilot project Maize (1.Qu. 2006)
- Pilot project Winter wheat (3.Qu. 2006)
- Production job status (01.05.2007)



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Comparison of form request (Maize)

Request in the past

Antragsformulare für Sortenschutz / Sortenzulassung

Formular	Word97-Format	PDF-Format	Version
S-Sortenschutzantrag	Word97 [.doc]	Acrobat [.pdf]	0599
L-Antrag auf Sortenzulassung	Word97 [.doc]	Acrobat [.pdf]	0599
Technischer Fragebogen Mais	Word97 [.doc]	Acrobat [.pdf]	0107
Beschreibung der Erbkomponente Mais	Word97 [.doc]	Acrobat [.pdf]	0107
Fragebogen zu den Isoenzymmerkmalen bei Mais	Word97 [.doc]	Acrobat [.pdf]	0107

New request

Zea mays L.
Antrag auf:

- [Sortenschutz](#)
- [Sortenzulassung](#)

Hier finden Sie [Erläuterungen zum Ausfüllen](#) der

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Usage of forms

Bundessortenamt

Online Download of the form

Applicant

Confirmation of receipt

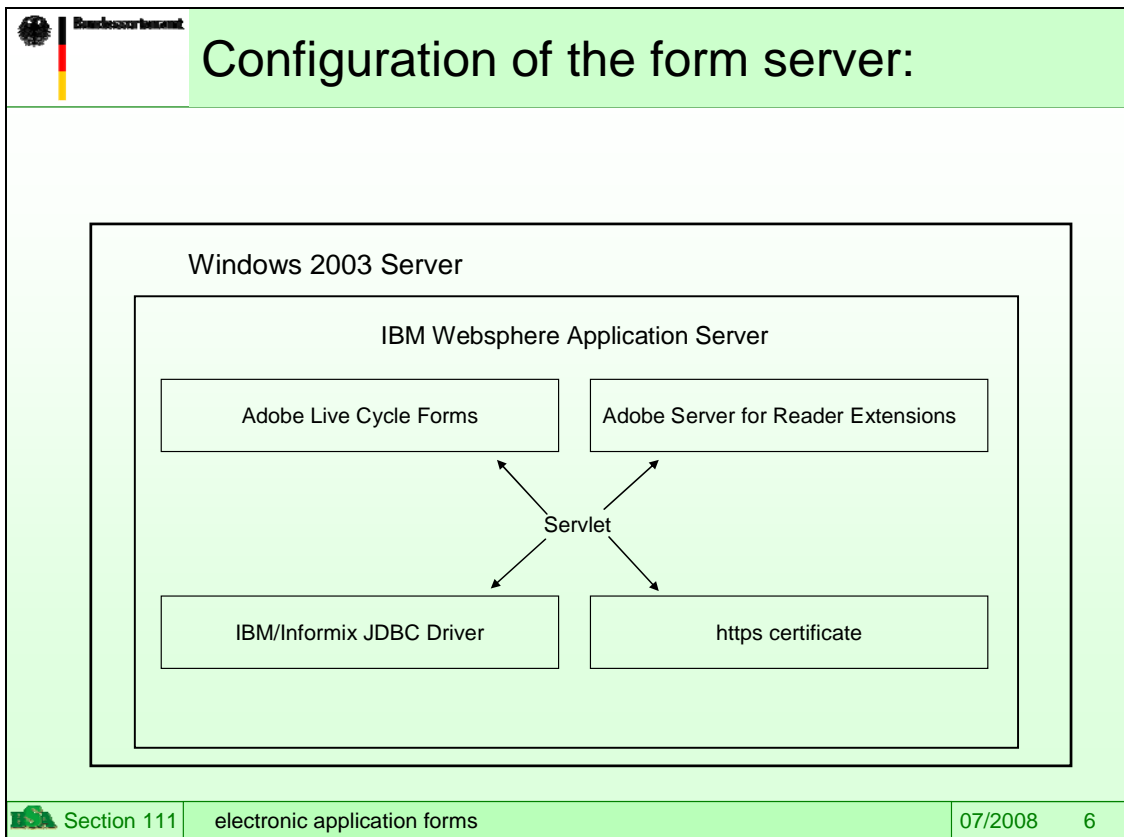
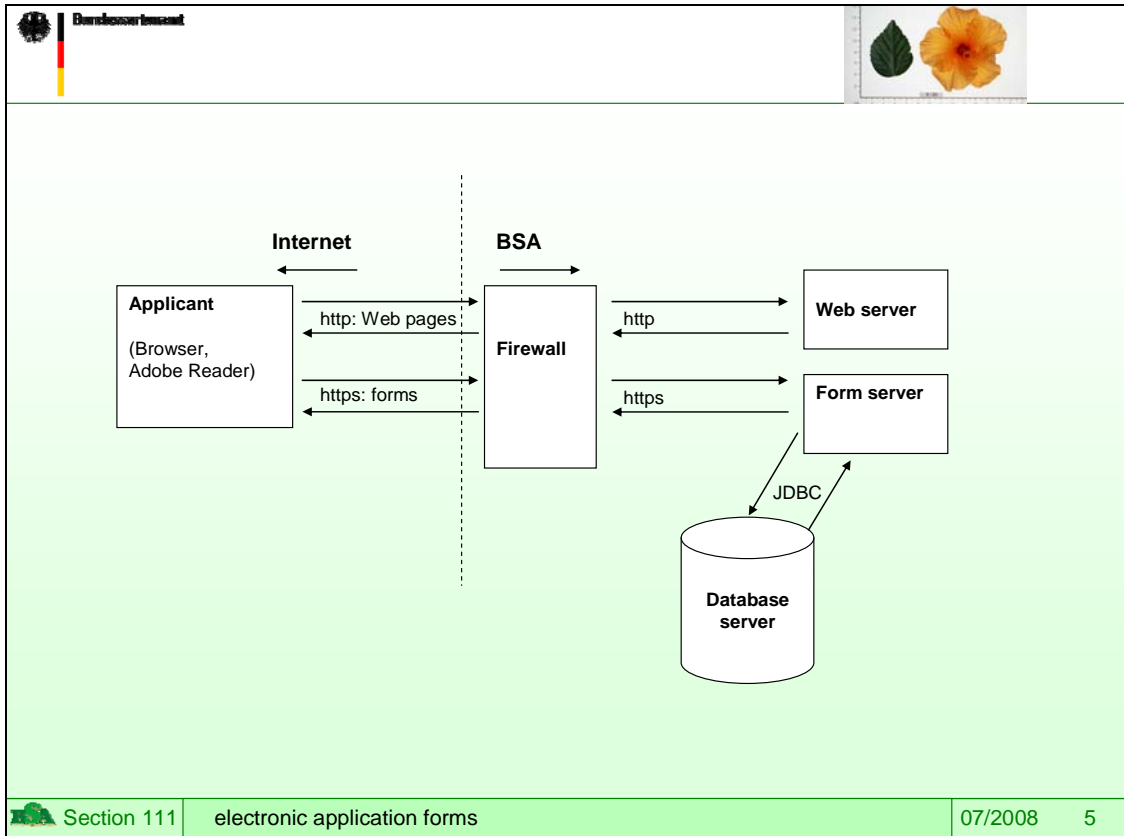
Storing of the form and working offline

Trust center


Partner in DE or in Europa

Return online or offline

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Request of forms via internet



Antragsformulare für Sortenschutz und/oder Zulassung

Zugangsberechtigt sind nur Antragsteller oder Bevollmächtigte (Für den Zugang benötigen Sie ein Passwort)

Sind Sie Antragsteller oder Bevollmächtigter?

Antragsteller Verfahrensvertreter / Bevollmächtigter / Zustellungsbefugter

Kennung: [Hinweis zur Kennung](#)

Passwort:

botanische Bezeichnung [Suchbedingung:](#)

deutsche Bezeichnung

Kennbuchstabe

Zea mays L.


Antrag auf:

- Sortenschutz
- Sortenzulassung

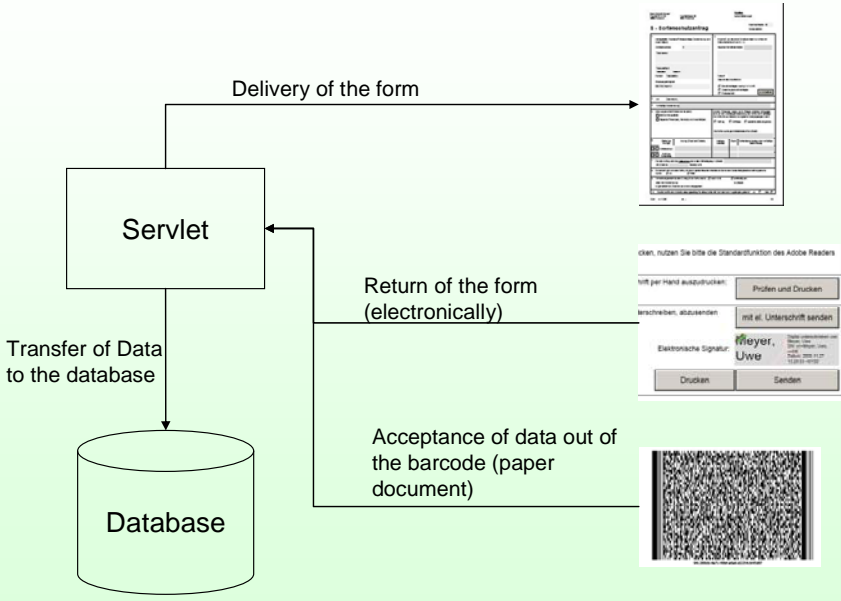
Hier finden Sie [Erläuterungen zum Ausfüllen](#) de

Servlet call with following parameter:


- Applicant / Agent
- Applicant number / agent number
- Species
- PVR or National listing

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Functions of the servlet (Screen 1)



```
graph TD
    Servlet[Servlet] -- "Transfer of Data to the database" --> Database[(Database)]
    Database -- "Return of the form (electronically)" --> Servlet
    Servlet -- "Delivery of the form" --> Form[Form]
    Barcode[Barcode] -- "Acceptance of data out of the barcode (paper document)" --> Servlet
```




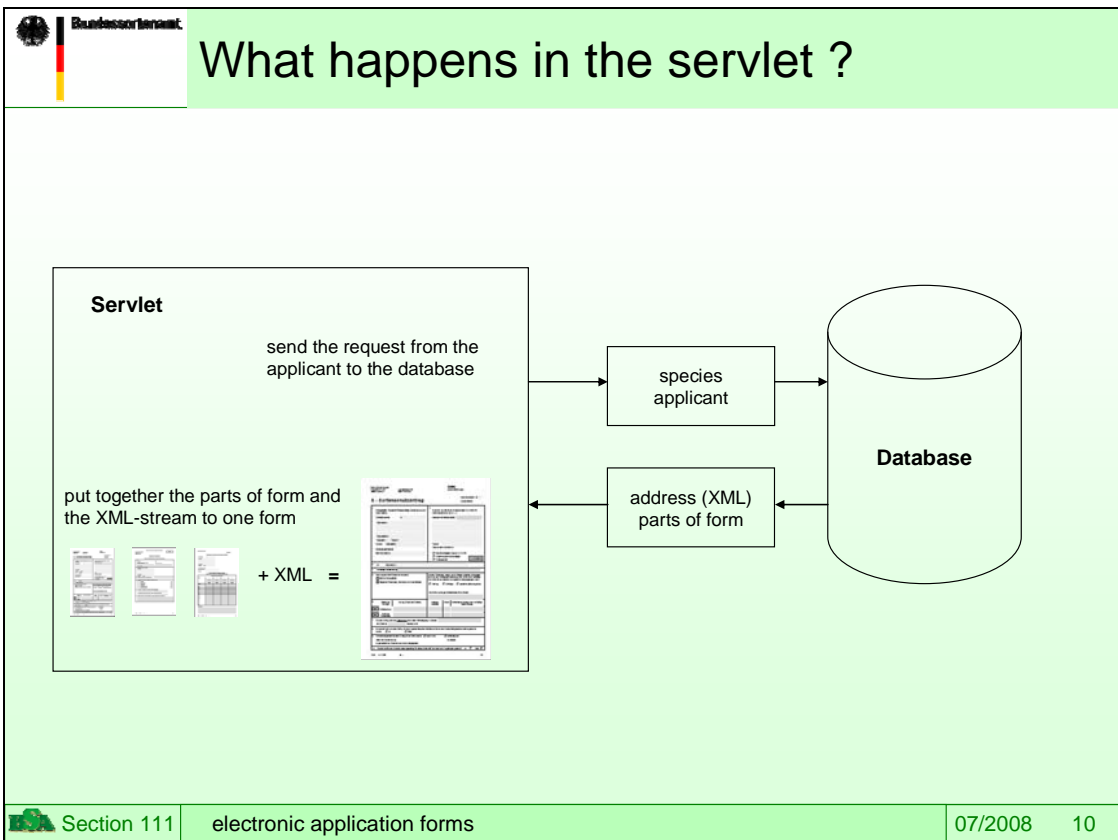
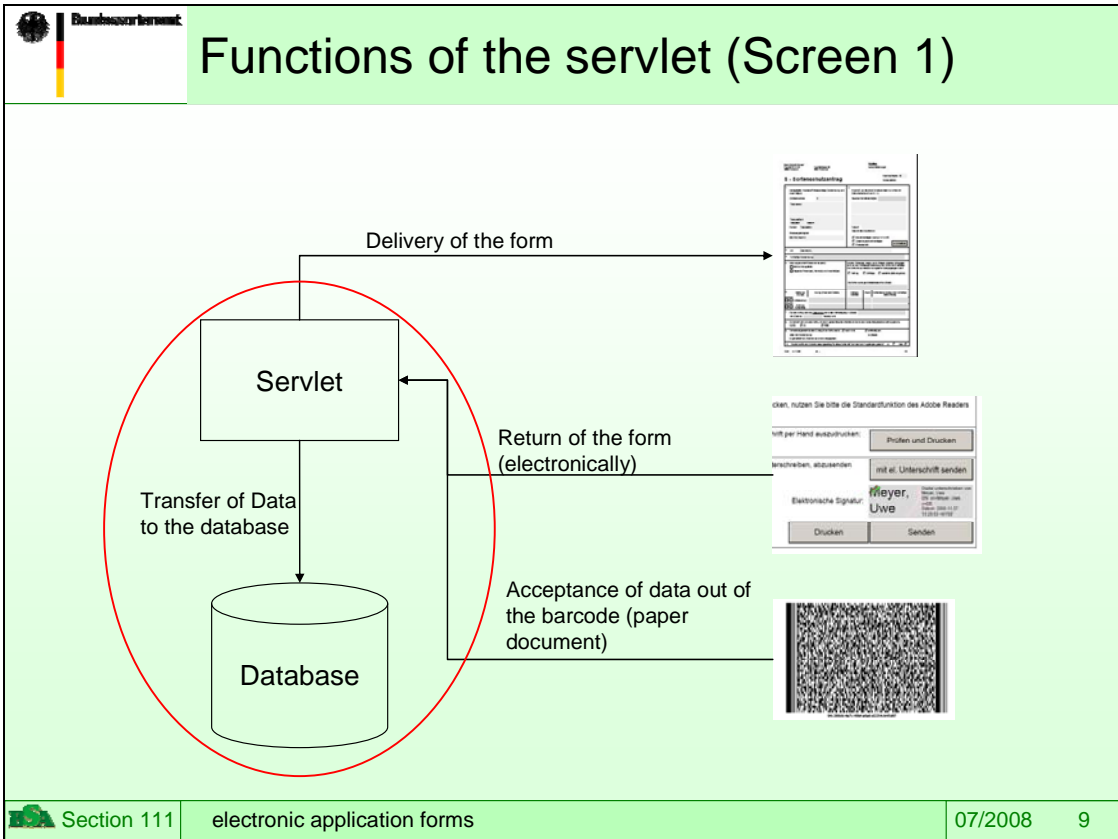
1. Lebensmittelantrag

Bitte per Hand auszufüllen:

handschreiben, abzusenden:

Elektronische Signatur: Meyer, Uwe

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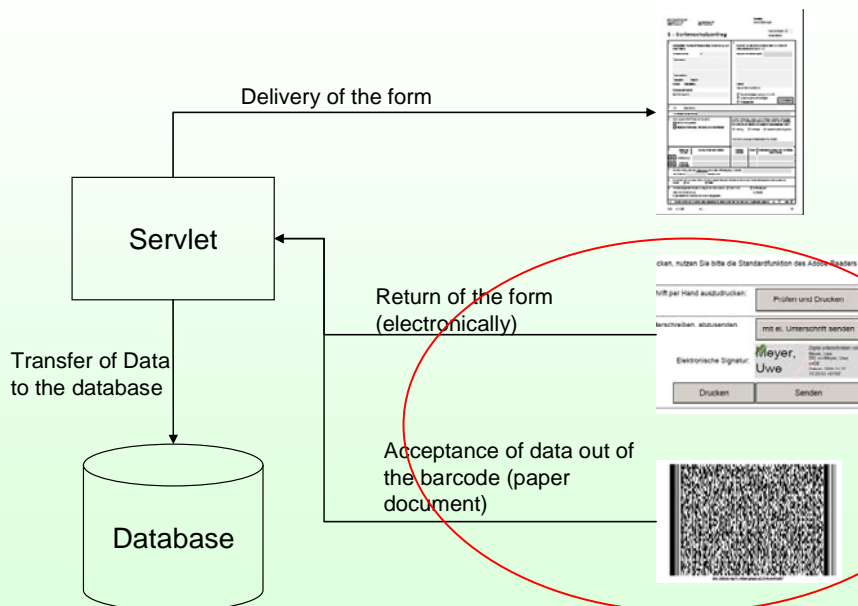
Functions of the servlet (Screen 2)



Delivery of forms




- Composition of parts of forms to one document
- Depending on transfer parameter – Setting of defaults for specific fields of the document (Data have to be transferred from the database (XML format) to the form)
- Use of Adobe Server for Reader Extensions, to grant necessary form fields access rights for working with the Adobe Reader
- Request of Adobe Live Cycle Server to send the pre-filled form via internet to the applicant as PDF-file

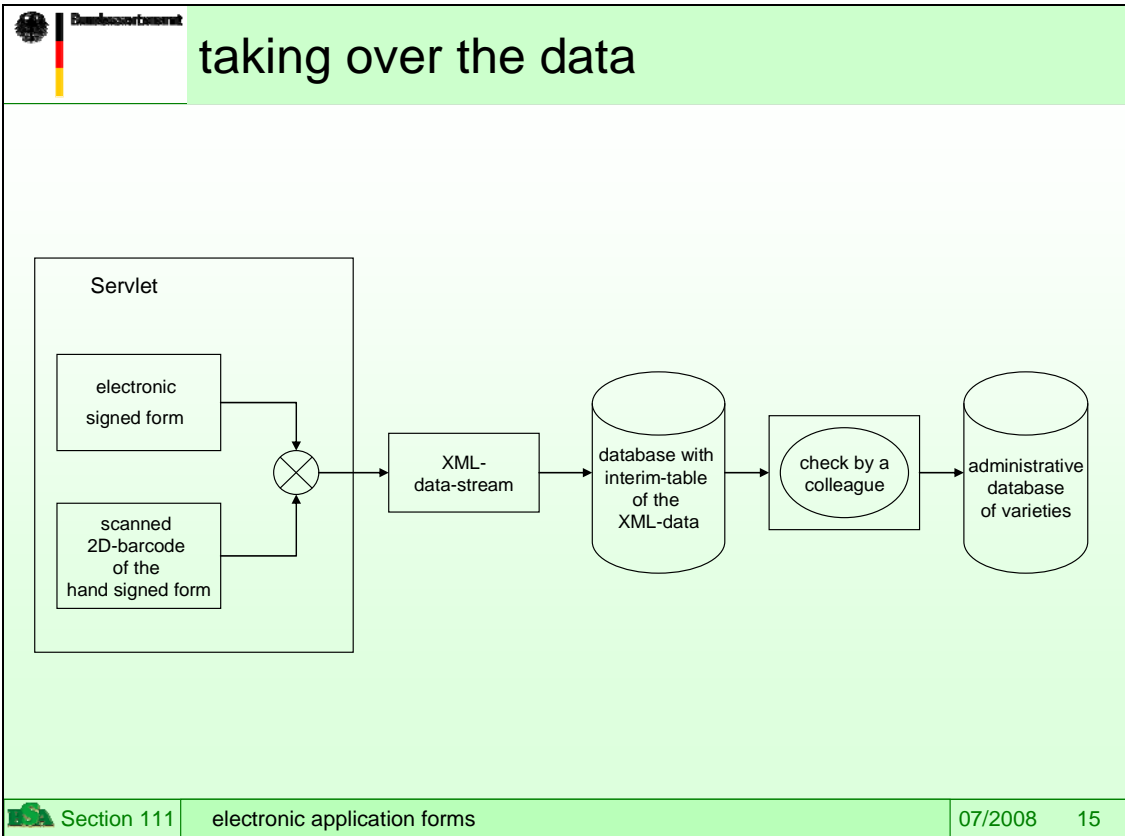




Functions of the servlet (Screen 3)



 Bundestag	<h2>Functions of the servlet (Screen 4)</h2>		
<p>Return of the form (electronically signed)</p> <ul style="list-style-type: none">• Acceptance of filled PDF-Form• Confirmation of receipt• Storing of PDF-file with an unique file name• Take-over of data from form fields to the database			
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 Bundestag	<h2>Functions of the servlet (Screen 5)</h2>		
<p>Take-over of data from barcode (paper document)</p> <ul style="list-style-type: none">• Select of data from two-dimensional barcodes• Transfer of data from form fields to a database <div data-bbox="678 1512 901 1747"></div>			
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-  **Advantages of the new technology for the Bundessortenamt**
- All parts of the form are joined together to one file (sub forms and annexes)
 - Database driven presetting of known data – as applicants address
 - Minor error handling because of checking the plausibility and completeness before sending of the form
 - Direct take over of data from the form to the database via barcode or binding file (no manual data entry)
 - Dynamic forms save forwarding missing parts of sub forms (like TQ or other)
- 
- A photograph showing a close-up of a hand holding a wooden basket filled with fresh, ripe strawberries. The background is blurred, focusing on the vibrant red fruit.
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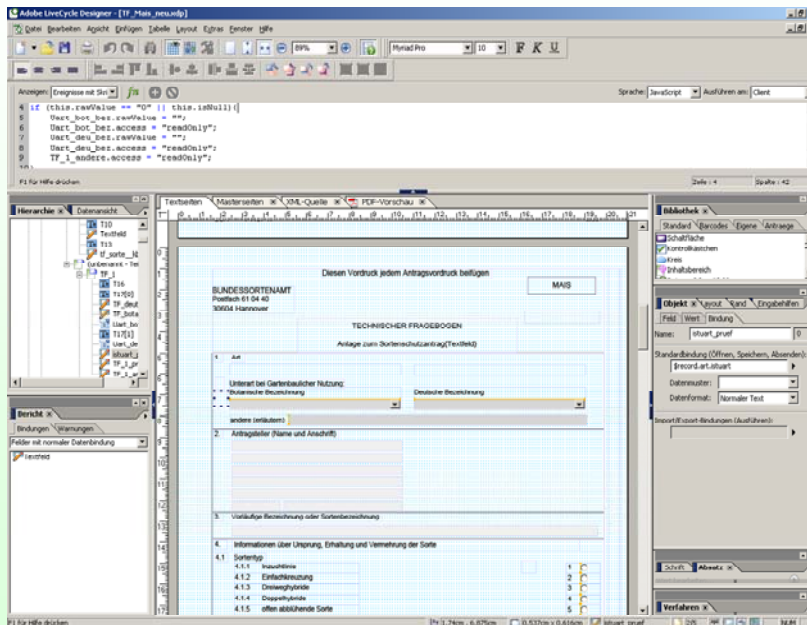


Advantages of the new technology for the applicants

- Applicants can get complete forms by one download step
- Form can be completed offline in several steps– There is no need for a permanent internet connection
- Storing of the form in a separate folder is supported
- Via XML applicant can import data in the form (e.g. from own database)
- Via XML applicant can export data from the form to store or to process the work
- By checking of plausibility before sending or printing applicants gets information about missing or incomplete data and they get a guidance through the form
- Applicants are supported during filling in the form by opening and closing of parts of the form depending on applicants input



Design tool (Adobe Lifecycle Designer)



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