



ICANN Pre-Delegation Testing System

A User's Guide

Release version 1.5 2013-May-03

TABLE OF CONTENTS

1	Introduction.....	2
2	Activate your account and log in	3
3	Application overview and status	5
3.1	Applications tab.....	6
3.2	My Page tab.....	8
4	Submitting data	9
4.1	DNS, EPP and Whois	9
4.2	IDN (only available for applications that support IDN).....	12
4.3	Data Escrow	13
4.4	Documentation.....	14
5	Message function	15
6	Submitted – what happens now?.....	16
7	Application status explained	17

1 Introduction

Pre-delegation testing commences when ICANN informs the applicant what time testing is scheduled to begin. About a week before the assigned time slot, the PDT Service Provider will mail out information about how to activate applicant's account in the PDT System and create a password (see Chapter 2 for details about this step). Applicant should then proceed to prepare and submit input data to the Pre-Delegation Testing System, as this step must be completed before the testing period starts.

The URL to the PDT System is

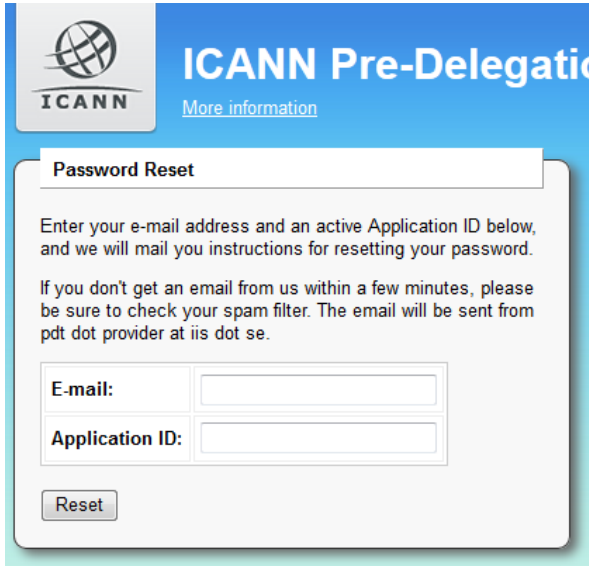
<https://pdt.iis.se/>


The following chapters provide an illustrated step-by-step guide to the PDT System, describing input data formats for the pre-delegation testing and also how to submit the data files. Detailed information about input data can be found in the document "Specification of input data for pre-delegation testing", available on ICANN's web site for pre-delegation testing (<http://newgtlds.icann.org/en/applicants/pdt>).

Please note that in information from the PDT Service Provider, all times mentioned are in UTC unless otherwise stated.

2 Activate your account and log in

The first step towards pre-delegation testing is to activate your account in the PDT System. The first e-mail from the PDT Service Provider, with subject “Account created”, contains a link to a Password Reset page; clicking that takes the applicant to this page:



 **ICANN Pre-Delegation**
[More information](#)

Password Reset

Enter your e-mail address and an active Application ID below, and we will mail you instructions for resetting your password.

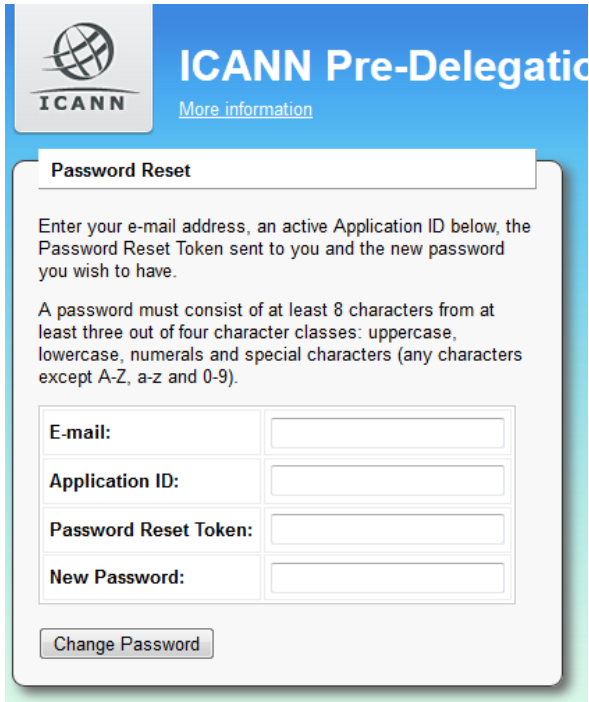
If you don't get an email from us within a few minutes, please be sure to check your spam filter. The email will be sent from pdt dot provider at iis dot se.

E-mail:

Application ID:

The e-mail address is the one registered with ICANN for this application while the Application ID can be found in the initial e-mail that came from ICANN. (If your screen does not match what you see above, you have probably been sent to the regular login page. In that case, clicking the Password Reset link should bring you to the screen above.)

After entering e-mail and Application ID and clicking Reset, applicant will receive a new e-mail from the PDT Service Provider, this time with a Password Reset token and a link leading to the page shown below.



ICANN Pre-Delegation
[More information](#)

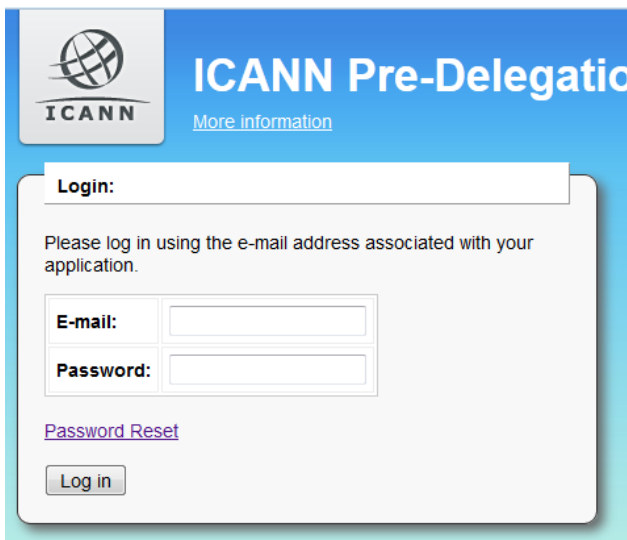
Password Reset

Enter your e-mail address, an active Application ID below, the Password Reset Token sent to you and the new password you wish to have.

A password must consist of at least 8 characters from at least three out of four character classes: uppercase, lowercase, numerals and special characters (any characters except A-Z, a-z and 0-9).

E-mail:	<input type="text"/>
Application ID:	<input type="text"/>
Password Reset Token:	<input type="text"/>
New Password:	<input type="text"/>

Enter e-mail address and application ID again, copy the token from the second mail and select a new password that follows the specified rules. After clicking “Change Password”, a link to the login screen will be displayed and the applicant will be able to log in to the PDT System.



ICANN Pre-Delegation
[More information](#)

Login:

Please log in using the e-mail address associated with your application.

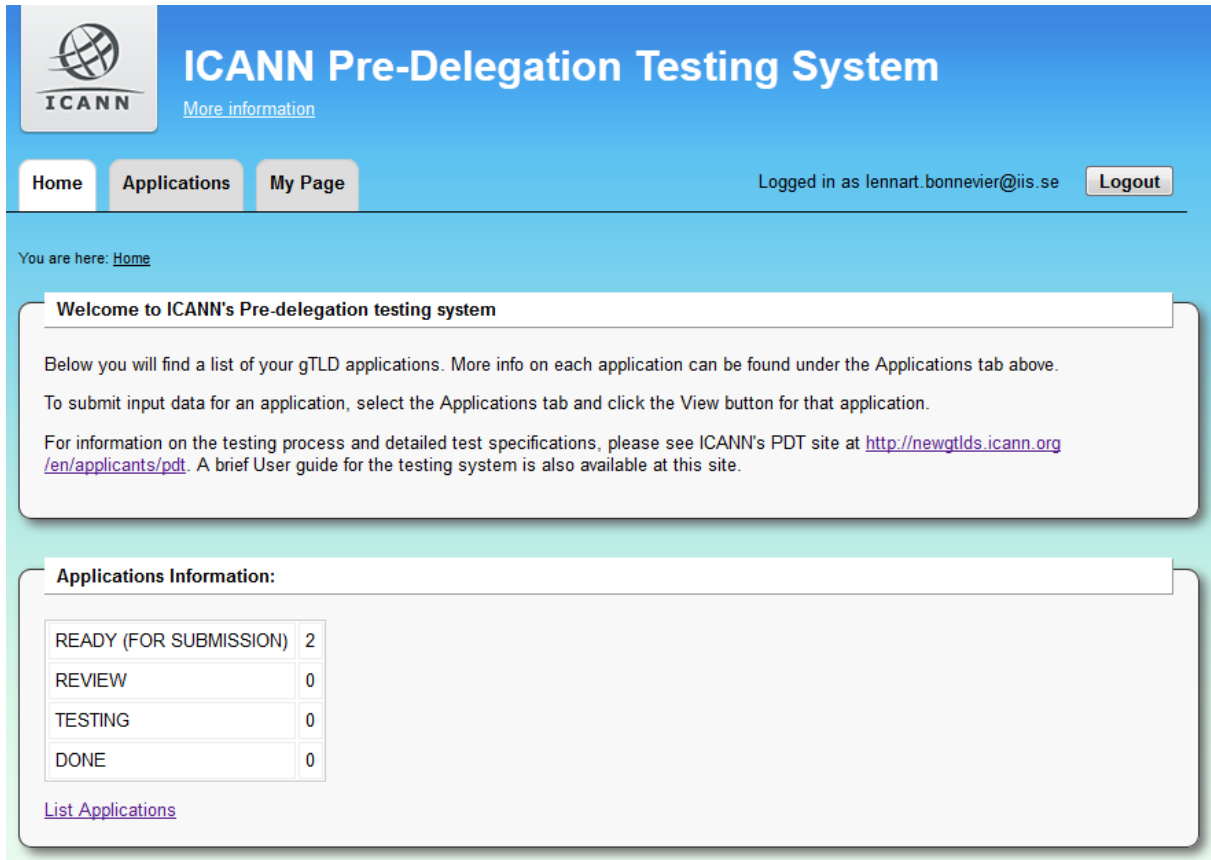
E-mail:	<input type="text"/>
Password:	<input type="text"/>

[Password Reset](#)

Note that the preceding steps are only necessary for the first application from an applicant. Further applications with the same registered e-mail address will be added to the same account in the PDT System and can be accessed through the same e-mail and password combination.

In case of a lost password, the regular login screen as shown above contains a “Password Reset” link that can be used to restart the procedure to obtain a new password. Please keep the application ID available outside the PDT System as it will be required to complete the password reset procedure.

3 Application overview and status



ICANN Pre-Delegation Testing System
[More information](#)

Home Applications My Page

Logged in as lennart.bonnevier@iis.se [Logout](#)

You are here: [Home](#)

Welcome to ICANN's Pre-delegation testing system

Below you will find a list of your gTLD applications. More info on each application can be found under the Applications tab above.

To submit input data for an application, select the Applications tab and click the View button for that application.

For information on the testing process and detailed test specifications, please see ICANN's PDT site at <http://newgtlds.icann.org/en/applicants/pdt>. A brief User guide for the testing system is also available at this site.

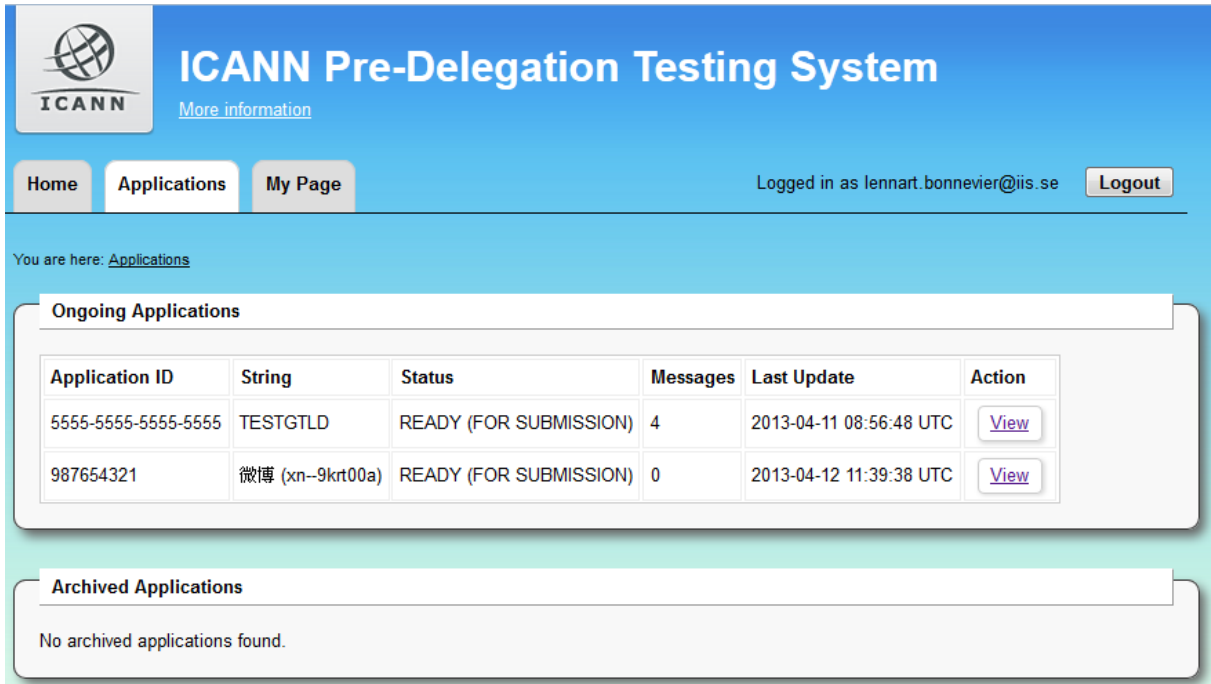
Applications Information:

READY (FOR SUBMISSION)	2
REVIEW	0
TESTING	0
DONE	0

[List Applications](#)

After login, a welcome screen (above) is shown. From here, one can click the Applications tab or the “List Applications” link to proceed to the Applications page – see next section. The My Page tab is presented in section 3.2.

3.1 Applications tab



ICANN Pre-Delegation Testing System
[More information](#)

Home Applications My Page

Logged in as lennart.bonnevier@iis.se [Logout](#)

You are here: [Applications](#)

Ongoing Applications

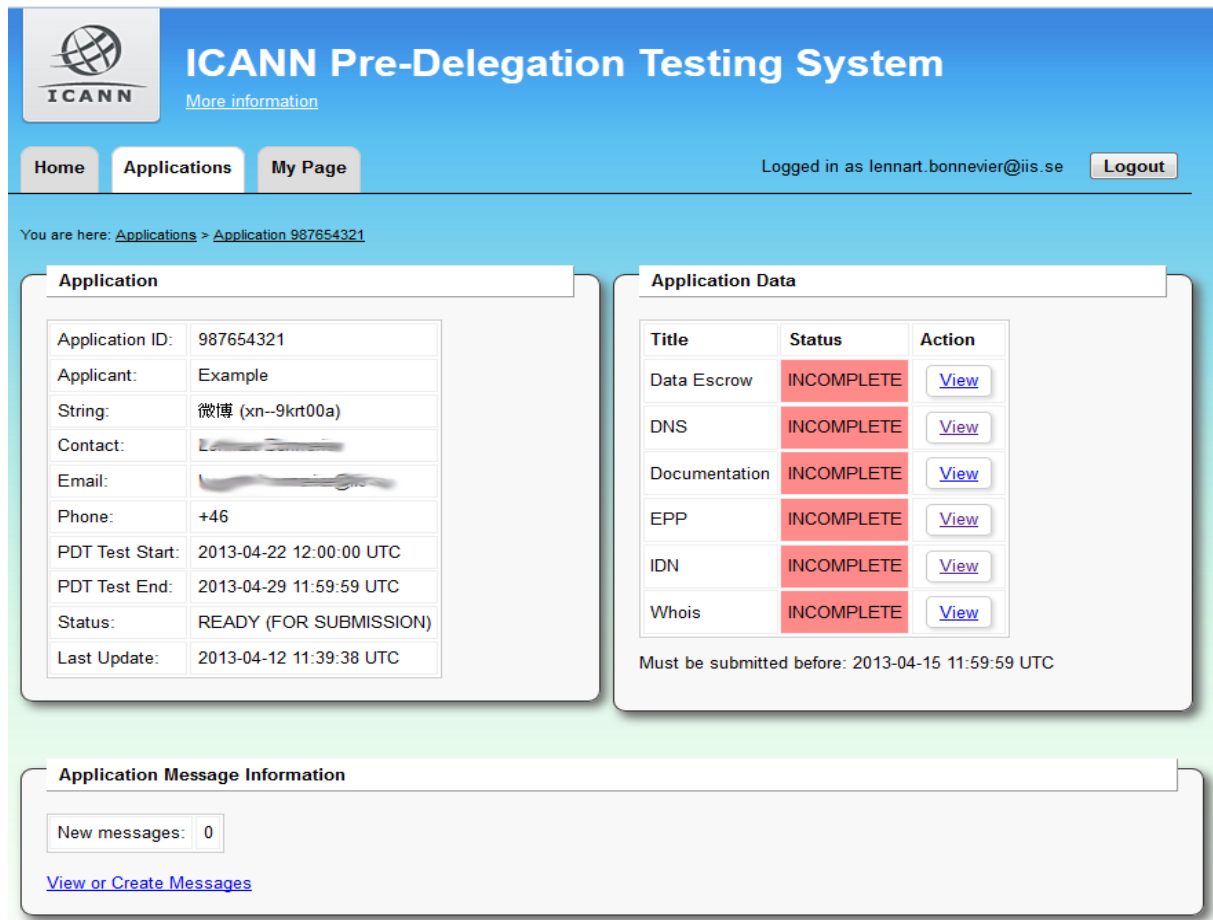
Application ID	String	Status	Messages	Last Update	Action
5555-5555-5555-5555	TESTGTL	READY (FOR SUBMISSION)	4	2013-04-11 08:56:48 UTC	View
987654321	微博 (xn--9krt00a)	READY (FOR SUBMISSION)	0	2013-04-12 11:39:38 UTC	View

Archived Applications

No archived applications found.

The Applications page lists all applications the logged in applicant has in the pre-delegation testing system. Applications are listed as “Ongoing” until testing is completed and status set to Done, then they move to “Archived”.

To input data for an application, click “View” to go to the application status page.



Application

Application ID:	987654321
Applicant:	Example
String:	微博 (xn--9krt00a)
Contact:	[REDACTED]
Email:	[REDACTED]
Phone:	+46
PDT Test Start:	2013-04-22 12:00:00 UTC
PDT Test End:	2013-04-29 11:59:59 UTC
Status:	READY (FOR SUBMISSION)
Last Update:	2013-04-12 11:39:38 UTC

Application Data

Title	Status	Action
Data Escrow	INCOMPLETE	View
DNS	INCOMPLETE	View
Documentation	INCOMPLETE	View
EPP	INCOMPLETE	View
IDN	INCOMPLETE	View
Whois	INCOMPLETE	View

Must be submitted before: 2013-04-15 11:59:59 UTC

Application Message Information

New messages:

[View or Create Messages](#)

The Application page shows the status for each area where the applicant has to supply input data. The status value changes to Uploaded when the PDT Service Provider has received data from the applicant and validated that it is supplied in the correct format.

Input data for the different areas can be submitted in any order. As soon as all areas are marked as Submitted the application is transferred to the Archived state and files are sent to the PDT Service Provider for testing. All input data must be submitted no later than the due date and time shown below the status information.

To submit data for e.g. DNS, click the corresponding “View” button. This brings up a specific input page for this area – see chapter 4 for more detailed info.

Please note that the IDN test area is only visible for applications that state support for IDN.

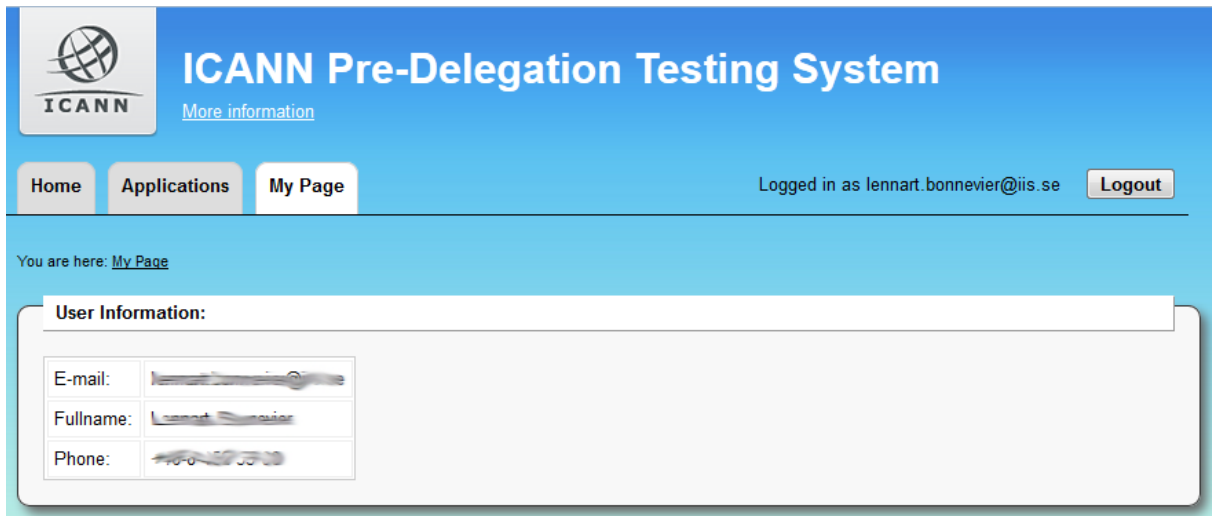
Technical testing is scheduled to begin at the time specified as “PDT Test Start” and end at “PDT Test End”. Applicant’s technical systems must therefore be open to the PDT Service Provider at least during this period.

The small window at the bottom of this screen is the built-in messaging function. This system is the primary mean for communication between the applicant and the PDT Service Provider about an application. Important messages from the PDT Service Provider, such as follow-up questions and/or requests for additional input, will be sent through this channel.

The applicant will be notified of incoming messages through an e-mail to the registered contact address, but the actual message is only accessible from within the Message function.

The PDT Service Provider can also be contacted by e-mailing pdtd@iis.se, but this channel should only be used for critical messages outside the normal flow of events – for instance if the applicant is unable to log in to the PDT System.

3.2 My Page tab



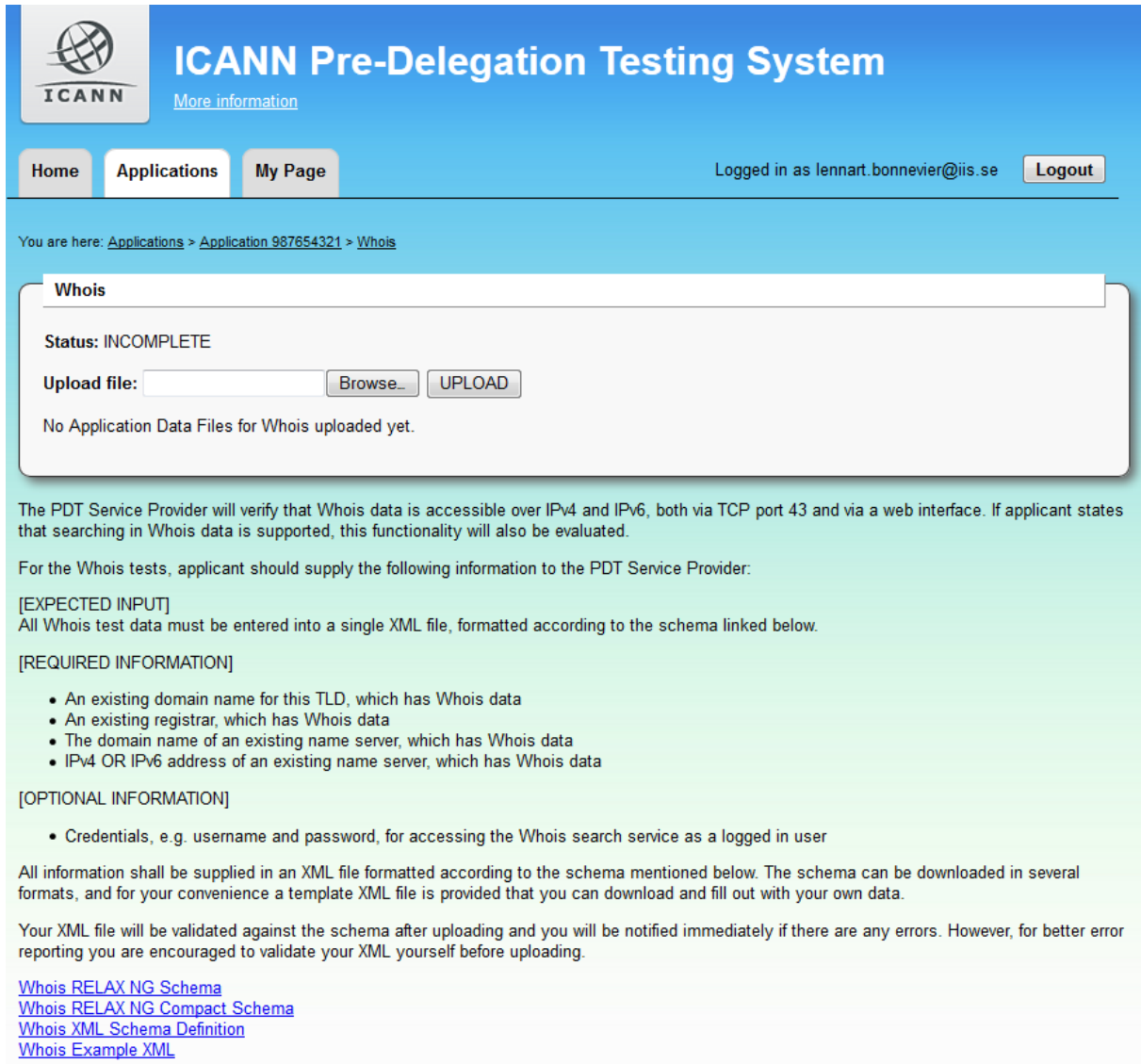
The screenshot shows the 'ICANN Pre-Delegation Testing System' interface. The top navigation bar includes 'Home', 'Applications', and 'My Page' (which is selected). The user is logged in as 'lennart.bonnevier@iis.se' with a 'Logout' button. Below the navigation, a breadcrumb trail reads 'You are here: My Page'. The main content area is titled 'User Information:' and contains a table with the following details:

E-mail:	lennart.bonnevier@iis.se
Fullname:	Lennart Bonnevier
Phone:	+46 8 527 03 00

User information is listed under the My Page tab. The email address associated with the account cannot be changed. To correct name and/or phone no, please contact the PDT Service Provider through the Message function (see chapter 5).

4 Submitting data

4.1 DNS, EPP and Whois



The screenshot shows the ICANN Pre-Delegation Testing System interface. At the top, there is a navigation bar with 'Home', 'Applications', and 'My Page' buttons. The user is logged in as 'lennart.bonnevier@iis.se' and can click 'Logout'. The breadcrumb trail indicates the user is in 'Applications > Application.987654321 > Whois'. The main content area is titled 'Whois' and shows a 'Status: INCOMPLETE'. There is an 'Upload file:' field with a 'Browse...' button and an 'UPLOAD' button. Below this, it states 'No Application Data Files for Whois uploaded yet.' The interface also contains detailed instructions for the Whois tests, including expected and required information, and links to XML schemas and an example file.

Whois

Status: INCOMPLETE

Upload file:

No Application Data Files for Whois uploaded yet.

The PDT Service Provider will verify that Whois data is accessible over IPv4 and IPv6, both via TCP port 43 and via a web interface. If applicant states that searching in Whois data is supported, this functionality will also be evaluated.

For the Whois tests, applicant should supply the following information to the PDT Service Provider:

[EXPECTED INPUT]
All Whois test data must be entered into a single XML file, formatted according to the schema linked below.

[REQUIRED INFORMATION]

- An existing domain name for this TLD, which has Whois data
- An existing registrar, which has Whois data
- The domain name of an existing name server, which has Whois data
- IPv4 OR IPv6 address of an existing name server, which has Whois data

[OPTIONAL INFORMATION]

- Credentials, e.g. username and password, for accessing the Whois search service as a logged in user

All information shall be supplied in an XML file formatted according to the schema mentioned below. The schema can be downloaded in several formats, and for your convenience a template XML file is provided that you can download and fill out with your own data.

Your XML file will be validated against the schema after uploading and you will be notified immediately if there are any errors. However, for better error reporting you are encouraged to validate your XML yourself before uploading.

[Whois RELAX NG Schema](#)
[Whois RELAX NG Compact Schema](#)
[Whois XML Schema Definition](#)
[Whois Example XML](#)

The data input pages for the DNS, EPP and Whois (above) areas share a common structure and describe an identical procedure. The applicant shall upload a single XML file per service, containing all data the PDT Service Provider needs to perform the test. The XML content is validated against the published XML schema for the relevant test and, if no errors are found, accepted. Any XML error will cause the file to be rejected; the applicant must then correct the errors and upload again.

The PDT System is not able to provide specific information about XML errors, beyond the fact that validation failed. The applicant is therefore encouraged to validate all files before uploading.

A brief description of the data needed for a test is included on the input page. The full specification can be found in the PDT Service Provider's test case descriptions, see <http://newgtlds.icann.org/en/applicants/pdt>, as well as in the XML schemas linked at the bottom of

the input page. Each input page also links to a validated XML template with explanatory comments that can be downloaded and completed with applicant’s own data.

You are here: [Applications](#) > [Application 987654321](#) > [DNS](#)

DNS

Status: INCOMPLETE

Upload file:

No Application Data Files for DNS uploaded yet.

The PDT Service Provider will verify applicant’s DNS infrastructure over both UDP and TCP, and that DNSSEC is supported including life cycle management of Zone and Key signing keys.

You are here: [Applications](#) > [Application 987654321](#) > [EPP](#)

EPP

Status: INCOMPLETE

Upload file:

No Application Data Files for EPP uploaded yet.

The PDT Service Provider will verify that applicant’s EPP Service conforms to appropriate RFCs, including EPP extensions for DNSSEC. Changes and updates in zone data must be visible in applicant’s zone file and Whois service within 60 minutes. If applicant states support for EPP over IPv6, the PDT Service Provider will verify this too.

The input pages for DNS and EPP, shown in part above, are structured in the same way as the Whois input page and also require that all test data be submitted in a single XML file.

You are here: [Applications](#) > [Application 987654321](#) > [DNS](#)

DNS

Status: UPLOADED

Please review all uploaded documents, using the "View" or "Download" features, before submitting them to the PDT Service Provider’s system. Once submitted, documents will not be available for modification nor will you be able to upload additional documents.

Reached the maximum number of allowed uploaded files. If you need to upload more files, first review the list of uploaded files to see if any can be removed. Otherwise contact the PDT Service Provider via the Message function.

File	Size	Type	Upload Date	Action
pdt dns.xml	2031	application/xml	2013-04-15 08:36:24 UTC	View Download Delete

Uploaded files remain in the testing system until they are submitted or the due date for the application expires.

Submitting files through the PDT System is a two-step process. First, all required input data files are uploaded for a certain test area. Status for that area then changes to Uploaded and the applicant is given a chance to review the uploaded files. Clicking “Submit data” then signals to the testing system that the applicant has completed the input data phase for the test area. As a result, status changes to Submitted and the files are transferred to the PDT Service Provider’s internal system.

You are here: [Applications](#) > [Application 987654321](#) > [DNS](#)

DNS

Status: SUBMITTED

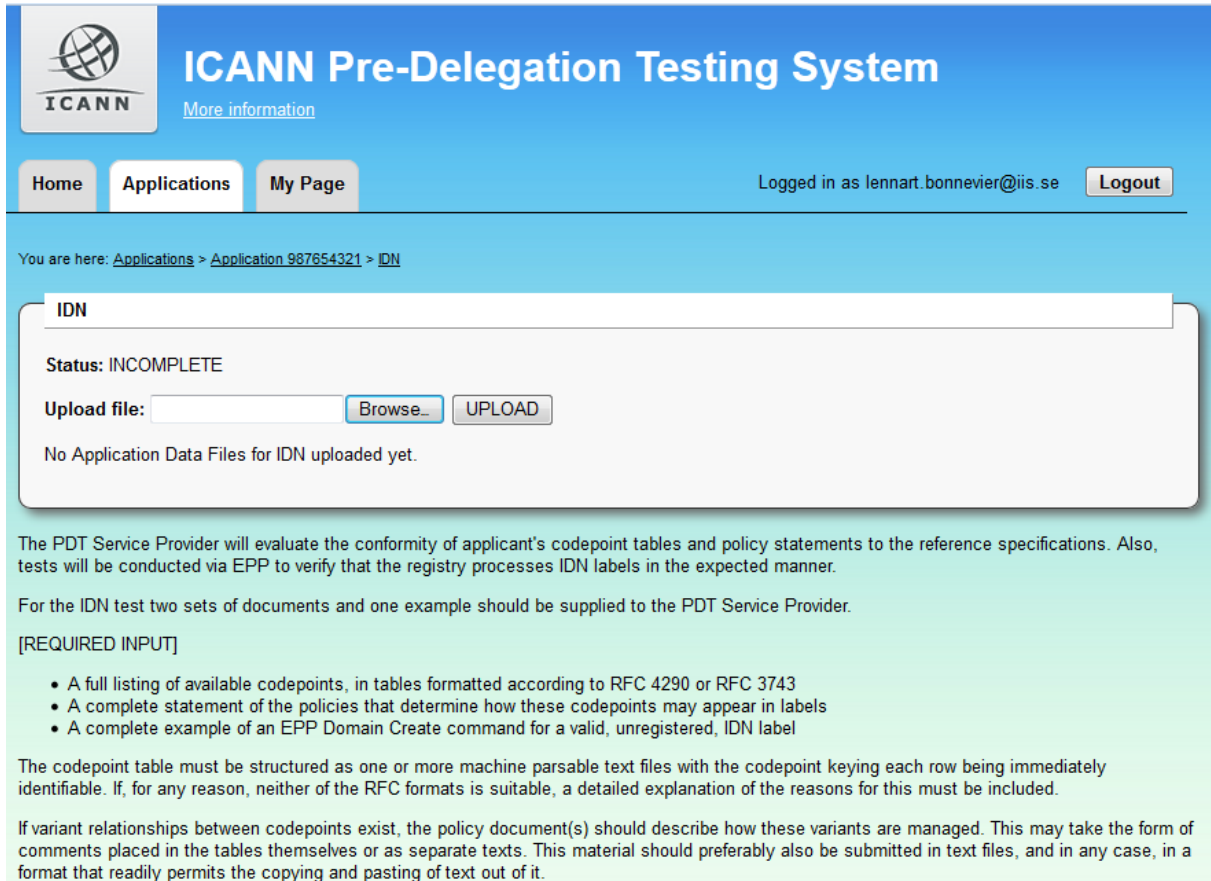
Your data file(s) have been locked and submitted to the PDT Service Provider. It is not possible to edit, delete or replace a submitted data file.

File	Size	Type	Upload Date	Action
pdt dns.xml	2031	application/xml	2013-04-15 08:39:22 UTC	View Download

After submission it is no longer possible for the applicant to modify submitted files or upload additional files for that area.

Please note that it is not possible to upload a file which has the same name as a previously uploaded file. If a file must be replaced by a newer version, this can be achieved by first deleting the old file from the testing system and then uploading the new.

4.2 IDN (only available for applications that support IDN)



The screenshot shows the ICANN Pre-Delegation Testing System interface. At the top, there is a navigation bar with 'Home', 'Applications', and 'My Page' buttons. The user is logged in as 'lennart.bonnevier@iis.se' and can click 'Logout'. The breadcrumb trail indicates the user is in 'Applications > Application 987654321 > IDN'. The main content area is titled 'IDN' and shows a 'Status: INCOMPLETE' message. Below this, there is an 'Upload file:' section with a text input field, a 'Browse...' button, and an 'UPLOAD' button. A message states 'No Application Data Files for IDN uploaded yet.' Below the upload section, there is a detailed explanation of the IDN test requirements, including a list of required inputs and instructions on how to structure the codepoint table and policy documents.

ICANN Pre-Delegation Testing System
[More information](#)

Home Applications My Page Logged in as lennart.bonnevier@iis.se Logout

You are here: [Applications](#) > [Application 987654321](#) > [IDN](#)

IDN

Status: INCOMPLETE

Upload file:

No Application Data Files for IDN uploaded yet.

The PDT Service Provider will evaluate the conformity of applicant's codepoint tables and policy statements to the reference specifications. Also, tests will be conducted via EPP to verify that the registry processes IDN labels in the expected manner.

For the IDN test two sets of documents and one example should be supplied to the PDT Service Provider.

[REQUIRED INPUT]

- A full listing of available codepoints, in tables formatted according to RFC 4290 or RFC 3743
- A complete statement of the policies that determine how these codepoints may appear in labels
- A complete example of an EPP Domain Create command for a valid, unregistered, IDN label

The codepoint table must be structured as one or more machine parsable text files with the codepoint keying each row being immediately identifiable. If, for any reason, neither of the RFC formats is suitable, a detailed explanation of the reasons for this must be included.

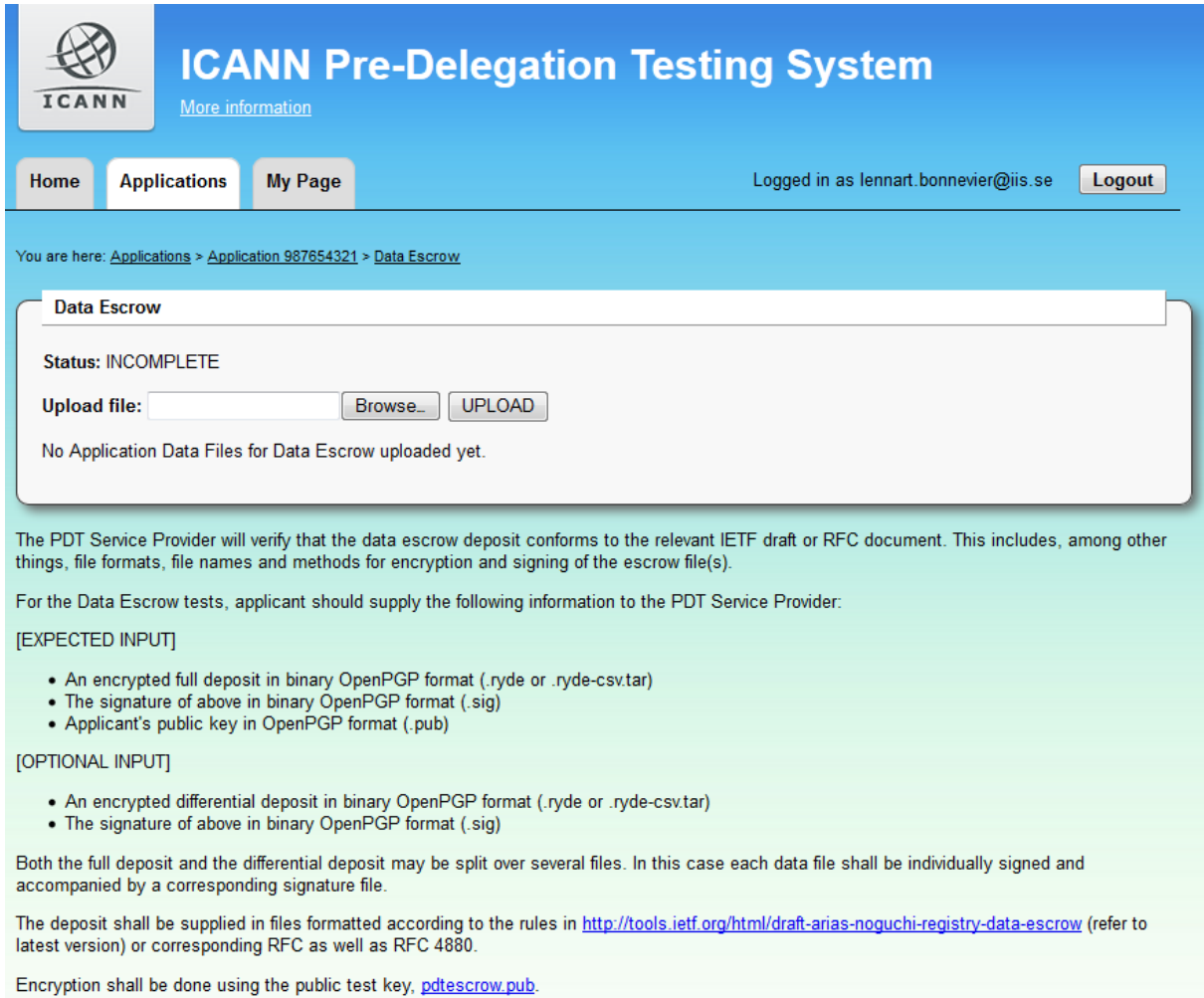
If variant relationships between codepoints exist, the policy document(s) should describe how these variants are managed. This may take the form of comments placed in the tables themselves or as separate texts. This material should preferably also be submitted in text files, and in any case, in a format that readily permits the copying and pasting of text out of it.

If an application states support for IDN labels, the applicant shall supply a listing of all available codepoints together with a statement of the policies that determine how these codepoints may appear in labels. Both documents shall be in text format and the codepoint listing should additionally be tabulated in such a way as to be machine parsable by a script.

The applicant shall also submit a complete XML-coded example of an EPP Domain Create command for a valid, unregistered, IDN label. The successful registration of this label during the PDT process is a requirement for further IDN testing.

All IDN documentation must be manually inspected by the PDT Service Provider and can therefore not be validated at the time of submission. The PDT Service Provider will notify the applicant via the Message function if additional information is required.

4.3 Data Escrow



The screenshot shows the ICANN Pre-Delegation Testing System interface. At the top, there is a navigation bar with 'Home', 'Applications', and 'My Page' buttons. The user is logged in as 'lennart.bonnevier@iis.se' with a 'Logout' button. The breadcrumb trail indicates the user is in 'Applications > Application 987654321 > Data Escrow'. The main content area is titled 'Data Escrow' and shows a status of 'INCOMPLETE'. There is an 'Upload file:' section with a text input field, a 'Browse...' button, and an 'UPLOAD' button. Below this, it states 'No Application Data Files for Data Escrow uploaded yet.' The interface also contains detailed instructions for the Data Escrow test, including expected and optional input requirements and links to relevant IETF documents.

Data Escrow

Status: INCOMPLETE

Upload file:

No Application Data Files for Data Escrow uploaded yet.

The PDT Service Provider will verify that the data escrow deposit conforms to the relevant IETF draft or RFC document. This includes, among other things, file formats, file names and methods for encryption and signing of the escrow file(s).

For the Data Escrow tests, applicant should supply the following information to the PDT Service Provider:

[EXPECTED INPUT]

- An encrypted full deposit in binary OpenPGP format (.ryde or .ryde-csv.tar)
- The signature of above in binary OpenPGP format (.sig)
- Applicant's public key in OpenPGP format (.pub)

[OPTIONAL INPUT]

- An encrypted differential deposit in binary OpenPGP format (.ryde or .ryde-csv.tar)
- The signature of above in binary OpenPGP format (.sig)

Both the full deposit and the differential deposit may be split over several files. In this case each data file shall be individually signed and accompanied by a corresponding signature file.

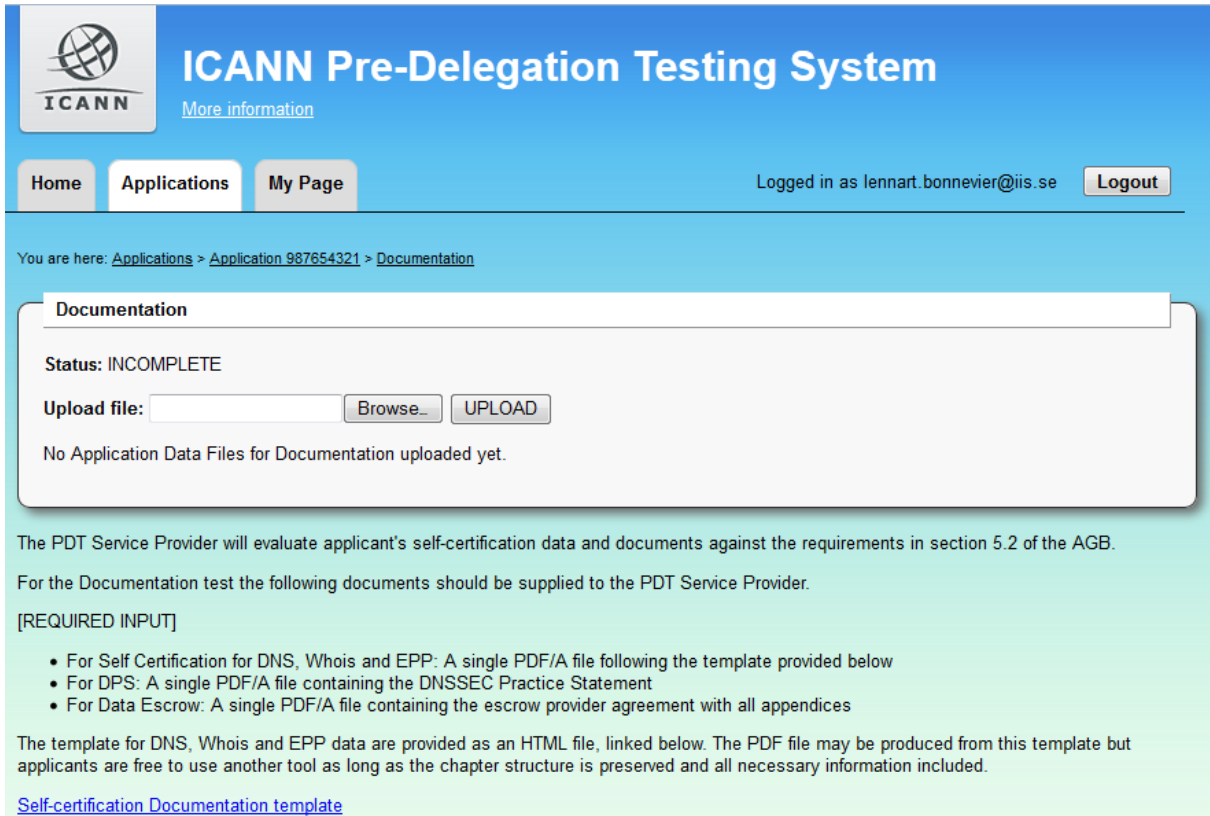
The deposit shall be supplied in files formatted according to the rules in <http://tools.ietf.org/html/draft-arias-noguchi-registry-data-escrow> (refer to latest version) or corresponding RFC as well as RFC 4880.

Encryption shall be done using the public test key, [pdtescrow.pub](#).

For the Data Escrow test the applicant shall supply at least the first three documents listed on the input page. The deposit file(s) shall be encrypted with the PDT Service Provider's public test key – which will be available to download from within the PDT System – and signed with applicant's private key.

Please note that the IETF document describing the escrow format is a work in progress and may change; always refer to the latest published version.

4.4 Documentation



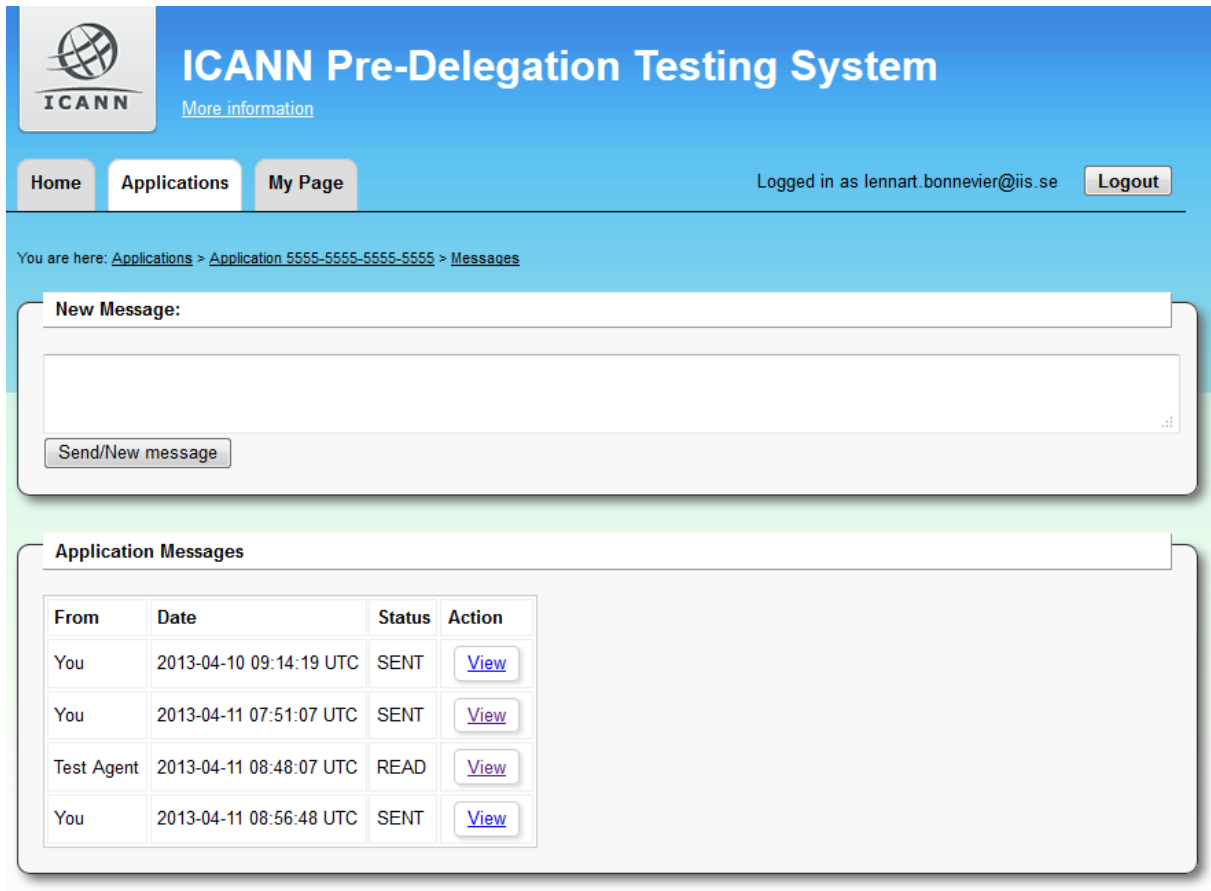
The screenshot shows the ICANN Pre-Delegation Testing System interface. At the top left is the ICANN logo. The main header reads "ICANN Pre-Delegation Testing System" with a "More information" link. Below the header are navigation tabs for "Home", "Applications", and "My Page". On the right, it says "Logged in as lennart.bonnevier@iis.se" with a "Logout" button. The breadcrumb trail is "You are here: Applications > Application 987654321 > Documentation". The main content area is titled "Documentation" and shows a "Status: INCOMPLETE". There is an "Upload file:" section with a text input field, a "Browse..." button, and an "UPLOAD" button. Below this, it states "No Application Data Files for Documentation uploaded yet." The text continues: "The PDT Service Provider will evaluate applicant's self-certification data and documents against the requirements in section 5.2 of the AGB. For the Documentation test the following documents should be supplied to the PDT Service Provider. [REQUIRED INPUT]" followed by a bulleted list: "• For Self Certification for DNS, Whois and EPP: A single PDF/A file following the template provided below", "• For DPS: A single PDF/A file containing the DNSSEC Practice Statement", and "• For Data Escrow: A single PDF/A file containing the escrow provider agreement with all appendices". It then states: "The template for DNS, Whois and EPP data are provided as an HTML file, linked below. The PDF file may be produced from this template but applicants are free to use another tool as long as the chapter structure is preserved and all necessary information included." and provides a link: "[Self-certification Documentation template](#)".

As stated in the Applicant Guidebook, section 5.2, the applicant shall prepare self-certification documents for the DNS, Whois and EPP services, containing such information as performance data, peering agreements, routines to prevent Whois data mining et cetera. The complete list of required information can be found in the test case description and also in the PDT Service Provider's HTML template, linked from the input page.

The self-certification document shall be uploaded as a single PDF/A file covering all three services. This PDF file may be produced from the provided HTML template but applicants are free to use another tool as long as the chapter structure from the template is preserved and all necessary information included.

The applicant shall also supply a DNSSEC Practice Statement, describing DNSSEC procedures and routines, and the full Escrow Provider Agreement. Both documents shall be submitted in PDF/A format.

5 Message function



The screenshot shows the ICANN Pre-Delegation Testing System interface. At the top left is the ICANN logo. The main header reads "ICANN Pre-Delegation Testing System" with a "More information" link. Below the header are navigation tabs for "Home", "Applications", and "My Page". On the right, it shows the user is logged in as "lennart.bonnevier@iis.se" with a "Logout" button. A breadcrumb trail indicates the current location: "You are here: Applications > Application 5555-5555-5555-5555 > Messages".

The "New Message:" section contains a large text input field and a "Send/New message" button.

The "Application Messages" section displays a table of messages:

From	Date	Status	Action
You	2013-04-10 09:14:19 UTC	SENT	View
You	2013-04-11 07:51:07 UTC	SENT	View
Test Agent	2013-04-11 08:48:07 UTC	READ	View
You	2013-04-11 08:56:48 UTC	SENT	View

For applicants who have several applications in the PDT System, each application has its own Message function. Please make sure you have selected the correct application before sending a message!

In order to facilitate secure case management, all communication between the applicant and the PDT Service Provider concerning an application should go through the Message function in the PDT System. All messages exchanged in this manner are archived together with the application.

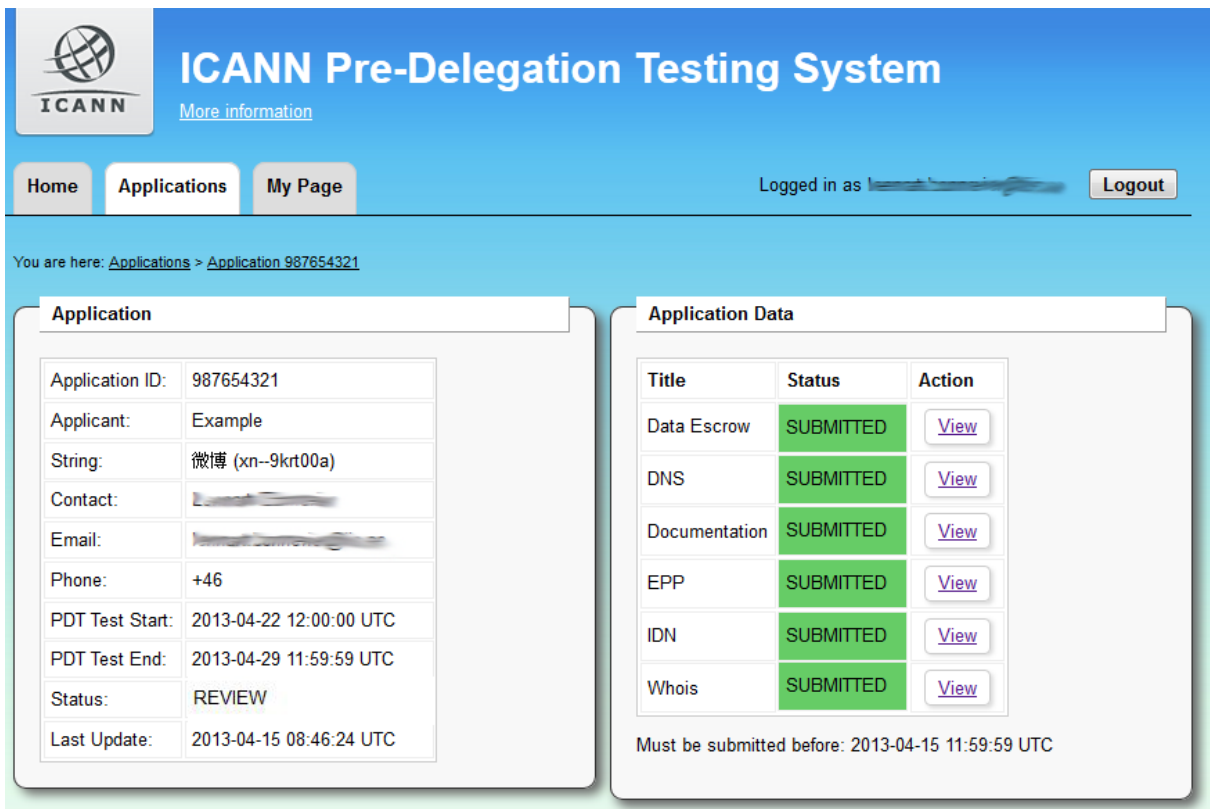
Applicants will be notified by e-mail to the registered contact address when a message from the PDT Service Provider appears in the system. The registered contact address should be closely monitored during the testing process, as the PDT Service Provider normally expects messages to be answered within two business days.

The PDT Service Provider will respond to questions from the applicant within one business day.

6 Submitted – what happens now?

When the applicant has submitted all data for an application, the application status will change to Review and the PDT Service Provider will begin to review the data. In case the PDT Service Provider needs more information or updated data files, the applicant will be notified of this through the Message function.

A due date for completing input data will be communicated to the applicant together with the request and is also visible on the application status page.



The screenshot shows the ICANN Pre-Delegation Testing System interface. The header includes the ICANN logo and the title "ICANN Pre-Delegation Testing System" with a "More information" link. Navigation tabs for "Home", "Applications", and "My Page" are visible, along with a "Logged in as" indicator and a "Logout" button.

The breadcrumb trail indicates the user is in "Applications > Application 987654321".

The main content area is divided into two panels:

- Application:** A table listing application details:

Application ID:	987654321
Applicant:	Example
String:	微博 (xn--9krt00a)
Contact:	[Redacted]
Email:	[Redacted]
Phone:	+46
PDT Test Start:	2013-04-22 12:00:00 UTC
PDT Test End:	2013-04-29 11:59:59 UTC
Status:	REVIEW
Last Update:	2013-04-15 08:46:24 UTC
- Application Data:** A table showing the status of various data submissions:

Title	Status	Action
Data Escrow	SUBMITTED	View
DNS	SUBMITTED	View
Documentation	SUBMITTED	View
EPP	SUBMITTED	View
IDN	SUBMITTED	View
Whois	SUBMITTED	View

Must be submitted before: 2013-04-15 11:59:59 UTC

Once the PDT Service Provider has approved all data, the applicant will be notified of this and the application status will change to Testing. During testing, the PDT Service Provider may again decide to request additional input, following the same procedure as outlined above.

When all tests have been executed, the application status changes to Done. The PDT Service Provider compiles a test report and sends it to ICANN, and ICANN then communicates to the applicant whether the application has passed or failed pre-delegation testing.

7 Application status explained

Within the pre-delegation testing system, an application can be in one of four possible states.

Ready for submission	The applicant can upload input data to the PDT System. Once all required data has been submitted, the application is locked and moves to the Review state.
Review	The PDT Service Provider reviews input data. The applicant can no longer edit data or submit new data, unless the PDT Service Provider asks for updated files via a follow-up question.
Testing	Input data has been accepted and testing begins. Follow-up questions may be sent during this period also. Applicants are advised to monitor the registered email address closely during testing, as urgent actions – such as adjusting firewall settings – may be required to complete the tests.
Done	Testing is complete and a test report is being compiled and sent to ICANN. An application that cannot be processed due to incorrect or incomplete input data is also moved to the Done state. At this stage, the Message function in the PDT System is closed and further communication from the applicant should be directed to ICANN.

Applicants will be notified by an automated email message when their application moves to a new state.