

TO Users of PKI certificates

DATE

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REFERENCE

PDA 11-039 Nieuwsbrief PKI 4

SUBJECT Replacement of PKI certificates

Replacement of TenneT PKI certificates in 2011

TenneT uses Public Key Infrastructure (PKI) security technology to safeguard communication between your company and our company. Since September 2010 we have kept you informed about our PKI project. The existing PKI certificates expire on 5 October 2011. The PKI project will continue to assure secure communication beyond that date. TenneT must issue a new certificate to all communication participants.

Newsletter 3 explained how we are approaching the project:

- TenneT has entered into cooperation with DigiNotar;
- in 2011 the existing certificates will be replaced by certificates that have the same level of security;
- in 2012 the certificates will be replaced by certificates with a higher level of security.

This latest TenneT newsletter brings you up to date on the above matters.

Cooperation with DigiNotar

TenneT has outsourced the PKI service entirely to DigiNotar. In practical terms it means that DigiNotar will handle requests for new certificates and issue and test them. You may also contact DigiNotar for technical support. DigiNotar can be contacted via +31 (0)251 26 88 55 or via klantenservice@diginotar.nl.

TenneT will take care of coordination in the migration phases.

Migration in 2011

New certificates must be installed because the present certificates are going to expire. The new certificates are the same technically.

As in previous years, TenneT has opted for phased migration. Each week a select group of market parties will start using the new certificate. We chose this approach in order to spread risks and resources.

It will avoid simultaneous occurrence of any succession of problems capable of disrupting processes in the market.

We have chosen Tuesday afternoon from 16:00 to 17:00 hrs as the time of migration. This time slot was selected on account of the lowest impact in the event of any process disruptions and because of the availability of resources.

The attachment contains the migration plan and the schedule for migrating market parties. The migration plan describes the approach and scheduling of the operation; the market party schedule shows the parties that will be migrated each week. If you have any problems with this schedule, please inform the TenneT Service Centre as soon as possible.

Migration in 2012

You will have until 1 April 2012 to prepare your systems for the new certificates with the higher security level (RSA 2048 bits key length with SHA-2 hash algorithm). You can already start making preparations, like the performance of an impact analysis on your systems. Once all market parties have started using the new

SHA-1 certificate, TenneT will actively guide them through their preparations. Among other things we will provide a test environment.

Please call +31 (0)521 26 88 07 for more information. A test certificate can be purchased as well.

A recap of the approximate scheduling is provided below.

Year	2011												2012											
Month	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
Preparation	█	█	█	█																				
Migration (1024 bits met SHA-1)					█	█	█																	
Slack migration								█	█															
Impact analysis (2048 bits with SHA-2)	█	█	█	█	█	█	█	█	█															
Preparation										█	█	█	█	█	█									
Migration (2048 bits with SHA-2)																	█	█	█	█	█	█	█	

Next steps

TenneT is currently working on the completion of a special migration website. You will be able to use this website to apply for certificates, download public keys, view the latest scheduling and find other instructions.

A link to the website will be sent to you as soon as possible, in any event in week 18.

From week 18 onwards you are likely to receive an e-mail that contains a reference to the root certificate.

From week 20 onwards you can expect to receive an e-mail that invites you to apply for a new certificate.

If you have questions about the method and scheduling of the migration, you should contact the TenneT Service Centre by phone on +31 (0)26 373 1717 or by e-mail at pki-cps@tennet.eu.

If you have questions about other matters, you should contact our project manager Mr. J. Stikvoort by phone on +31 (0)26 373 3168 or by e-mail at johan.stikvoort@tennet.eu.

You can also find this information on our website at www.tennet.eu > Customers > Services.