NETA Programme

New Entrant FTP Test Procedures

Synopsis	:	This document describes the procedures for ensuring communications have successfully been installed and that encrypted file transfers can take place between New Entrant participants and the NETA central systems.	
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1 Introduction

1.1 Purpose

This document defines the FTP (File Transfer Protocol) testing procedures to be used by Logica and participants, pre-New Entrant Testing, to confirm communication lines have been successfully installed and encrypted data files can be exchanged.

1.2 Scope

This document defines the procedures to be followed by:

- Logica
- New Entrant High Grade Participants

The scheduling of FTP tests, with participants, will be published by Logica in a separate document.

Participants will be expected to have procedures for use internally - the procedures outlined in this document only cover the FTP interaction between participants and Logica.

1.3 Summary

Whenever a High Grade New Participant joins the NETA Service it is necessary to connect the Participant to the NETA Service computing systems at IMServ.

To ensure file transfers between participant and Logica can take place, a series of FTP tests require performing.

1.4 Amendment History

Date	Issue	Description of Change	Author	CR No
21-09-00	0_1	First draft	Chris Hill	
27-09-00	0_2	Review Comments	Chris Hill	
28-09-00	0_3	Final Version	Chris Hill	

1.5 Abbreviations

FTP	File Transfer Protocol
NETA	New Electricity Trading Arrangements

2 Responsibilities

The following paragraphs highlight the individual responsibilities of each party to ensure New Entrants testing can commence.

2.1 Boundaries of responsibility for High Grade Service

2.1.1 Logica UK Limited

Logica will be responsible for:

Pre-FTP Test:

- Procuring communication lines as instructed by Elexon. Logica will sub-contract Energis to perform the physical installation of the communication lines and will manage Energis accordingly.
- Communicating, to participant IP addresses and FTP account details of the NETA Central servers.

FTP Testing:

- Performing a FTP, of an encrypted file, transfer to the participant site.
- Collation of testing success / failures provided by Logica and the participant to provide an overall test status.
- Overall management of the process.
- Specifying the tests between participant and the Logica central services.
- Creating test files for transmission to and from participant systems.
- Executing the tests at Logica's end.
- Validating data files received from participants.
- Supporting queries from the participants and resolving issues on the content of the files exchanged and the progress of the test.

2.1.2 High Grade Participant

The communications service supplied by the NETA Programme will terminate at a router at a participant's site. The router will be supplied and installed as part of the installation of the private line.

The participant is responsible:

Pre-FTP Test

- For the connection of the router to the participant's~~a participant's~~ Local Area Network (via a firewall if this is required by the participant), i.e. the boundary is the port on the LAN side of the router.

FTP Testing:

- The participant will be responsible for performing a test FTP transfer to the Logica central servers.
- Encrypting and decrypting files, where required and transferring files back to Logica.
- Resolving issues, raised during testing, within their own systems.

2.2 Testing approach

New entrants testing provides a service that permits participants to demonstrate that they can communicate with Logica provided services. The FTP tests will demonstrate that participants can correctly send, receive and encrypt files. Before FTP testing commences, Logica and the participant will ping the IP address of the opposing server to establish whether there is an active communications line.

2.3 Test Detail

The following pages details the steps to be followed, by the participant and Logica, to perform an encrypted FTP transfer.

The first test performed will be a **Logica - Participant Transfer** (see Appendix A) and will be initiated by Logica.

1) Logica encrypt a text file using FileSecure software.

   Copy text file into:

   /ftp_dir/encrypt_dir/<particpant id>/send

2) Logica FTP the encrypted file to the participants server (by performing the following tasks):

   - Take encrypted file from:

     /ftp_dir/encrypt_dir/<particpant id>/out

   - FTP “put” file in to */temp* on participants server.

   - Rename file to *c:\Program Files\Logica UK Ltd\PCsec\decrypt\in* on participants server.

3) PCsec software (decryption daemon) installed on the participants server recognises the file and automatically decrypts it and copies the output to: *c:\Program Files\Logica UK Ltd\PCsec\decrypt\out*

4) The text file can now be:

   - E-mailed to Logica (e-mail address to be provided)

   - Used to perform “Participant - Logica FTP Transfer” Test

5 On receipt of the text file, Logica compare the file against the original text file for discrepancies using the “Sum” and “Compare” commands.

The second test performed will be a **Participant Transfer - Logica** (see Appendix B) and will be initiated by step (4) above.

1) Participant copies the test file produced in the first test into the following directory:

   c:\Program Files\Logica UK Ltd\PCsec\encrypt\in on the participants server.

2) The PCsec software (encryption daemon) installed on the participants server recognises the file and automatically encrypts the file and copies the output to: *c:\Program Files\Logica UK Ltd\PCsec\encrypt\out*

3) The participant FTPs the encrypted file to the Logica server (IP to be communicated) by performing the following tasks:

   - Take encrypted file from:

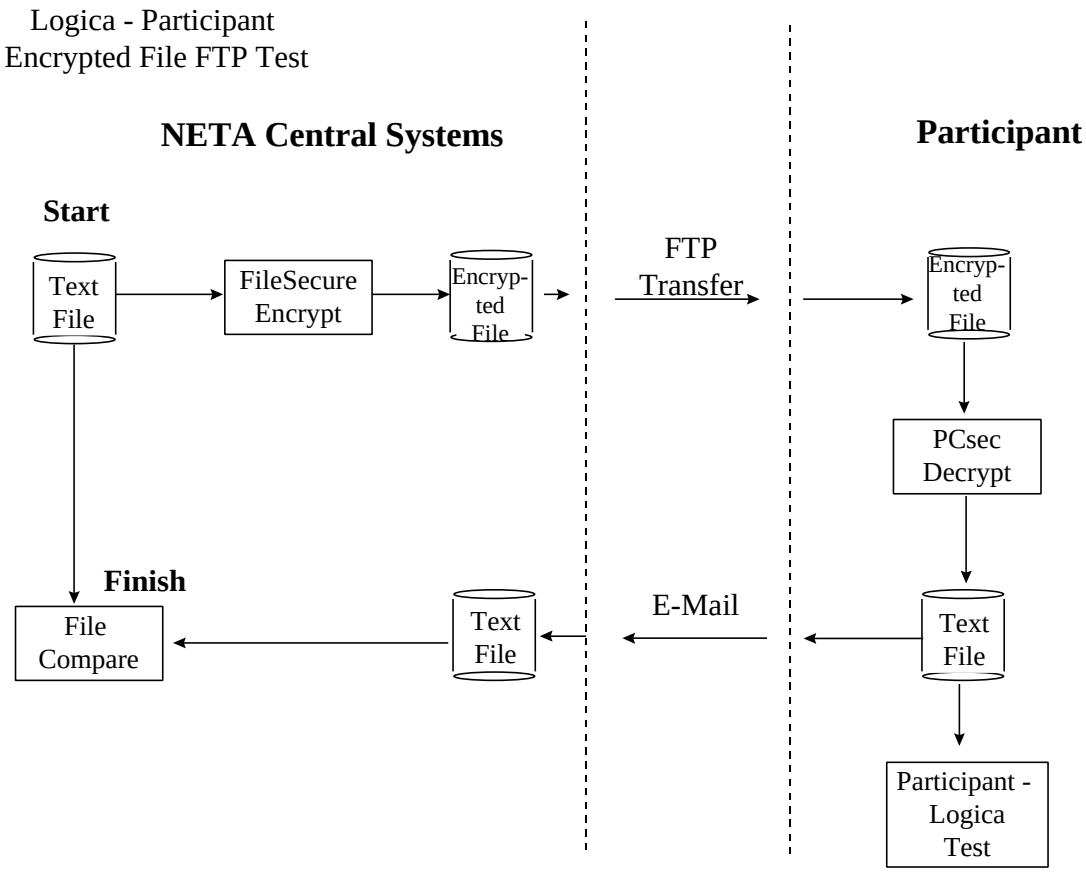
     c:\Program Files Logica UK Ltd\PCsec\encrypt\out

   - FTP connect to the Logica servee
   - cd *temp*
   - FTP “put” file in to *temp*
   - Rename file to *../inbox*

4) FileSecure software installed on the Logica server recognises the file and automatically decrypts it and copies the output to: */ftp_dir/decrypt_dir/<participant id>/input.*

5) The decrypted text file is then compared against the original text file for discrepancies.

Appendix A Logica - Participant Test



Appendix B Participant - Logica Test