



Ponton EFET Box+ Implementation Guide

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1 Scope of this document

This document addresses the project manager of an implementation of the EFETnet Software in an energy trading company. The document is not written for the end users in the energy trading business.

The document gives an overview of the tasks needed for a typical implementation project of the EFETnet Software. Since no company environment is the same, while requirements in terms of performance and security policies will differ widely as well, no implementation project will look the same. Thus, this document can only give a outline of the tasks to be performed and is not intended to replace requirements analysis and detailed project planning.

The EFETnet Software comprises at least the EFET Box+ bundled together with the PONTON X/P 2.3 Messenger. Thus this document addresses the implementation of at least these two components, and adds comments about the optional Database Adapter Ponton X/D where appropriate.

Please note that the integration of the EFET Box+ into your ETRM system is described in more detail in the documents 'EFETBox3.2_BoxBackEndInterface_BrokerBox.pdf' and 'EFETBox3.2_BoxBackEndInterface_TraderBox.pdf. '

2 Further information and support

2.1 EFETnet overview

To cite the EFETnet Web site: “EFETnet is an advanced software for automating energy trading. It was defined and developed by the European Federation of Energy Traders (EFET), an organisation founded in 1999 by Europe’s leading energy companies.”

The website for EFETnet is located at <http://www.EFETnet.org/>

For frequently asked questions regarding EFETnet please go to:
http://www.EFETnet.org/EFETnet/content/e12/e27/index_en.html

2.2 What is the EFET Standard

The EFET Standard describes the rules and attributes for electronic confirmation matching. The EFET standards uses XML, more specifically, ebXML, to guarantee secure, reliable, robust, fault-tolerant and amendable matching transactions between counterparties.

The EFET eCM Standard version 3.2 includes trade confirmations in emissions. The EFET Standard version 3.1 defines the electronic confirmation matching protocol between energy traders and brokers. The EFET Standard version 3.0 defines electronic confirmation matching between energy traders.

The standard definitions can be found at the EFET website (<http://www.efet.org>).

2.3 What is the EFETBox+

The EFETBox+ is a software component developed by PONTON Consulting GmbH. The Box implements the EFET 3.0, 3.1 and 3.2 Standard for electronic confirmation matching. The Box uses workflows, business rules and User interfaces to replace the manual processes of amending, controlling and matching Trade Confirmations with an automated approach.

The EFETBox uses the ebXML Message Service, called PONTON X/P, for secure and reliable communication and the (optional) PONTON X/D Database Adapter for accessing the Back end system. The Box has a user interface for monitoring the matching process and a toolkit to help resolving mismatches.

2.4 What is the Ponton XP Messenger

The PONTON X/P Messenger is a software component which uses e-mail or an HTTP internet connection to send and receive business messages (Trade Confirmations, Cancellations, Amendments) between business partners (counterparties). The Messenger takes care of the security, validity and connectivity of the handled business messages. Being a standard component, its use is not restricted to purely EFETnet related message traffic. The Messenger is also scalable as it can be installed on a separate server.

Ponton X/P is an implementation of the ebXML Message Service as standardized by UN/CEFACT (www.ebxml.org). ebXML MS is a vendor-neutral communication protocol to exchange business documents via the Internet in a secure and reliable way.

2.5 Technical support / helpdesk

E-mail EFETnet-helpdesk@ponton-consulting.de

Phone +49.40.69213-344

UK: +44 20 7871 9443

US: +1 215 240 6045

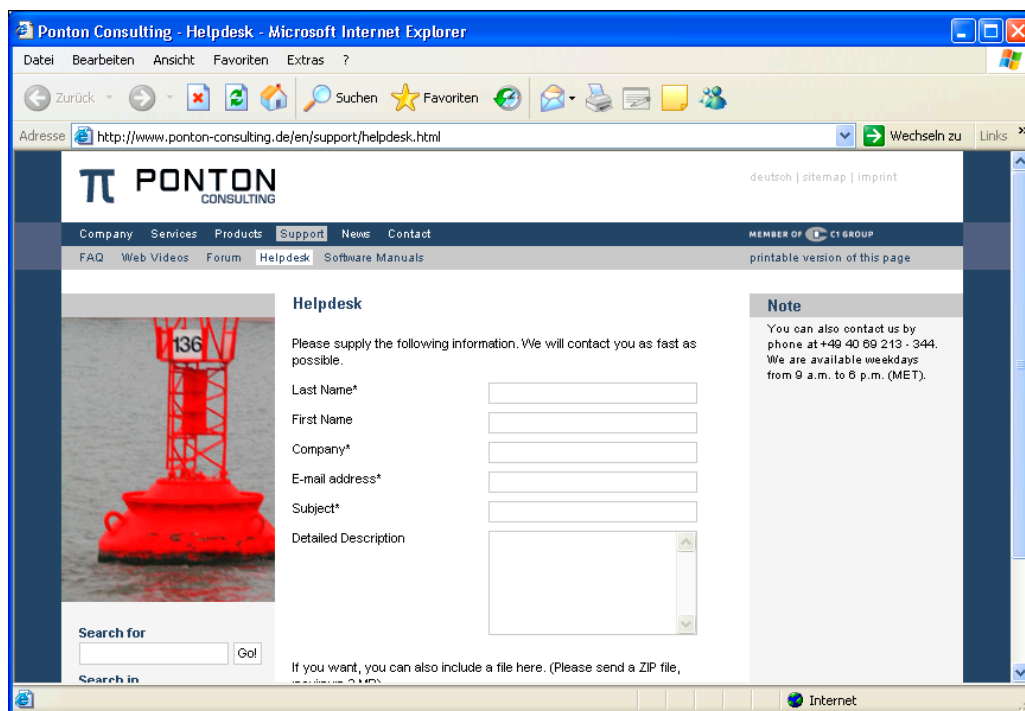
2.6 Information / updates

For further information, such as additional documentation or the frequently asked questions, please refer to the website www.ponton-consulting.de/efetbox/.

2.7 Sending feedback

Ponton Consulting encourages users to provide feedback on their experience with the EFET Box+ as well as any difficulties they may encounter.

To contact Ponton's technical support, please go to the Helpdesk page on the Ponton website: www.ponton-consulting.de/en/support/helpdesk.html.



The screenshot shows a Microsoft Internet Explorer browser window displaying the Ponton Consulting Helpdesk page. The browser's address bar shows the URL <http://www.ponton-consulting.de/en/support/helpdesk.html>. The page features the Ponton Consulting logo (a pi symbol) and navigation menus for Company, Services, Products, Support, News, and Contact. A search bar is visible at the bottom left. The main content area is titled "Helpdesk" and contains a form for submitting a request. The form includes fields for Last Name*, First Name, Company*, E-mail address*, Subject*, and a Detailed Description text area. A "Note" section on the right provides contact information: "You can also contact us by phone at +49 40 89 213 - 344. We are available weekdays from 9 a.m. to 6 p.m. (MET)." The browser's status bar at the bottom indicates "Internet".

3 Template Rollout Plan for EFETnet Users

The scope of the integration project is only limited to the integration with counterparties.

Each user of the EFETnet software will perform certain steps of installation and integration. The planning for installation, configuration and backend integration is an internal decision that follows individual policies and constraints. The following presents typical step of integration:

3.1 Planning Phase

- Generic plan: Adjust the attached template project plan to the local requirements and constraints.
- Check for dependencies on other internal and external services
- Plan the back-end mapping of data fields for the different EFET documents types.
- Plan for a Disaster Recovery Architecture and a high availability set-up.

3.2 Internal Integration Phase

- For all EFET document types, mappings need to be defined between the XML documents and the ETRM database systems
- The documents must be valid XML documents and the data values must be compliant with the respective EFET standard.
- Confirmations for historic trades may be created using the ETRM adaptor. They may be exchanged by email with counterparties to check for validity.

3.3 External Integration Phase

- Here, the configuration of the EFETnet Software and the network infrastructure is needed
- The external test may be performed with a test environment
- Test may be performed with Ponton Consulting or a selected counterparty
- Test are based on sample documents (it can not be expected to have available a full back-end integration at this point in time).

3.4 Bilateral Testing

- Precondition: EFET documents can be created and processed by the back-end system. The EFET Box is attached to the ETRM system in such a way that documents can be automatically sent and received.
- Test confirmations (e.g. historic confirmations) are matched against the counterparty's documents.
- All other processes defined in the EFET standard can be performed.

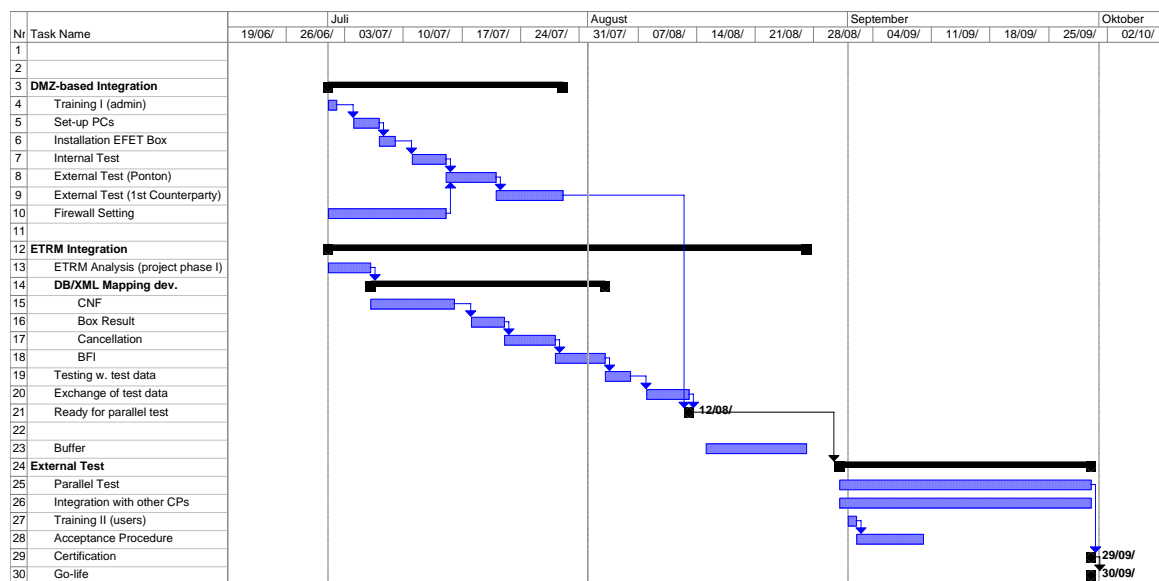
3.5 Parallel Testing

- This is based on the production environment

- Current confirmations are still exchanged in a classical way (fax), but in parallel, electronic documents are exchanged and matched via the EFETnet Software.
- After the runtime of at least 1 month, no losses or configuration-specific issues should have occurred.
- As the final step of the parallel test, the EFETnet User will be certified. A certified user will be published with status "production" on the EFETnet Web site.

3.6 Community Testing (optional)

- During operational phase, test documents may need to be exchanged with new counterparties. This is done by using test flags to avoid productive processing of test documents by mistake.



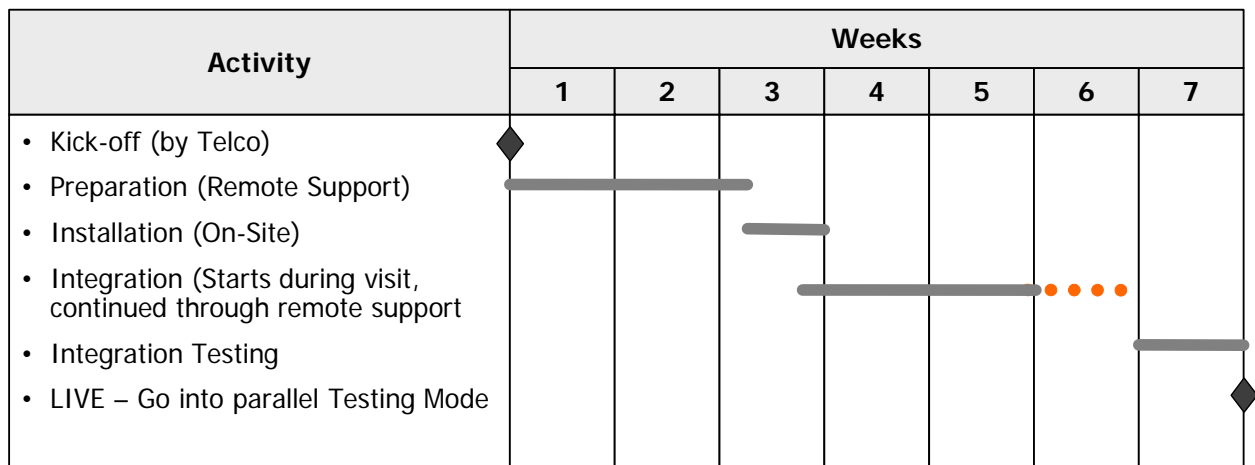
Template for Project Plan

4 Accelerated Roll-out for EFETnet Users

If the user of the EFETnet software decides to get outside help for certain steps of installation and integration, the roll-out may be accelerated. This is described in the following outline plans, proposing different plans for the first roll-out vs. consecutive new partners.

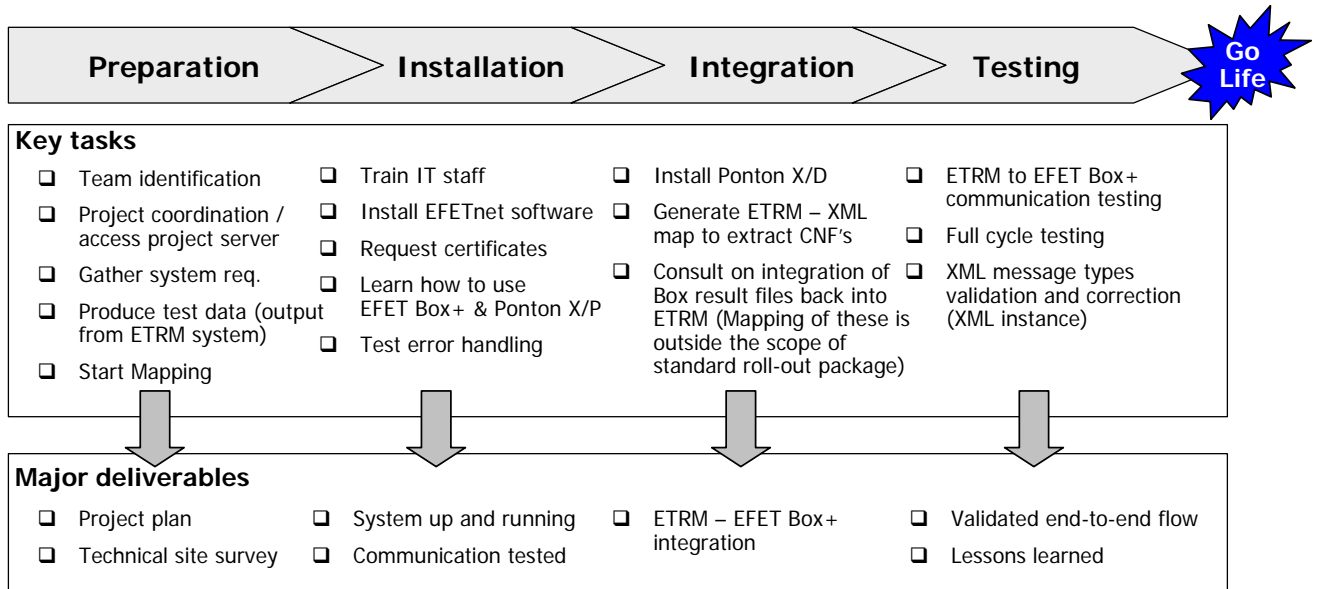
4.1 Accelerated Roll-out for the first connection

The following plan assumes outside help with one on-site visit of a consulting / systems integration team.



Synopsis of Project Plan for First Roll-out

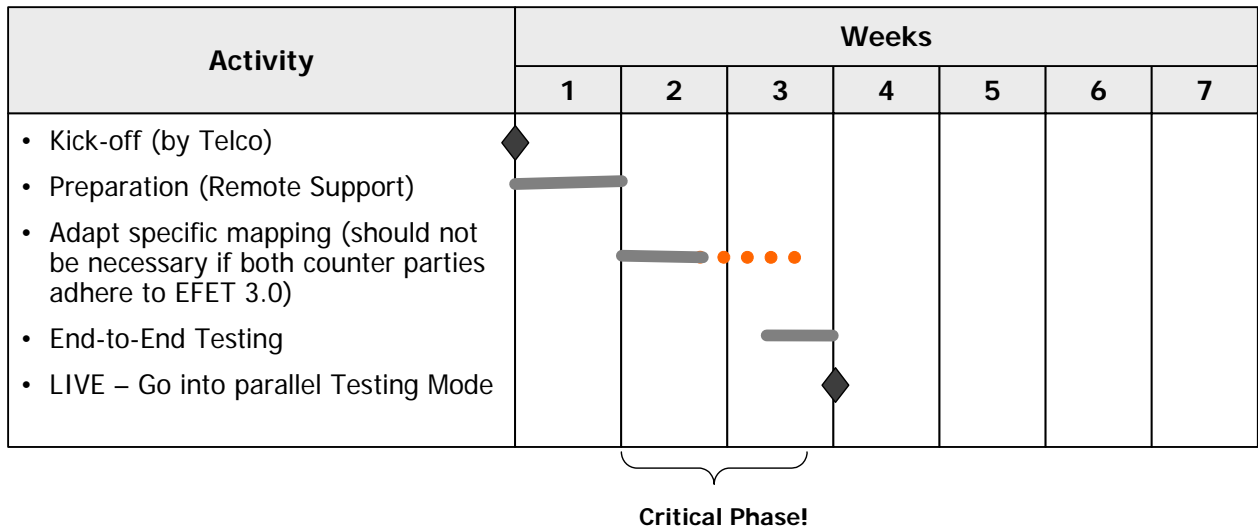
Critical Phase!



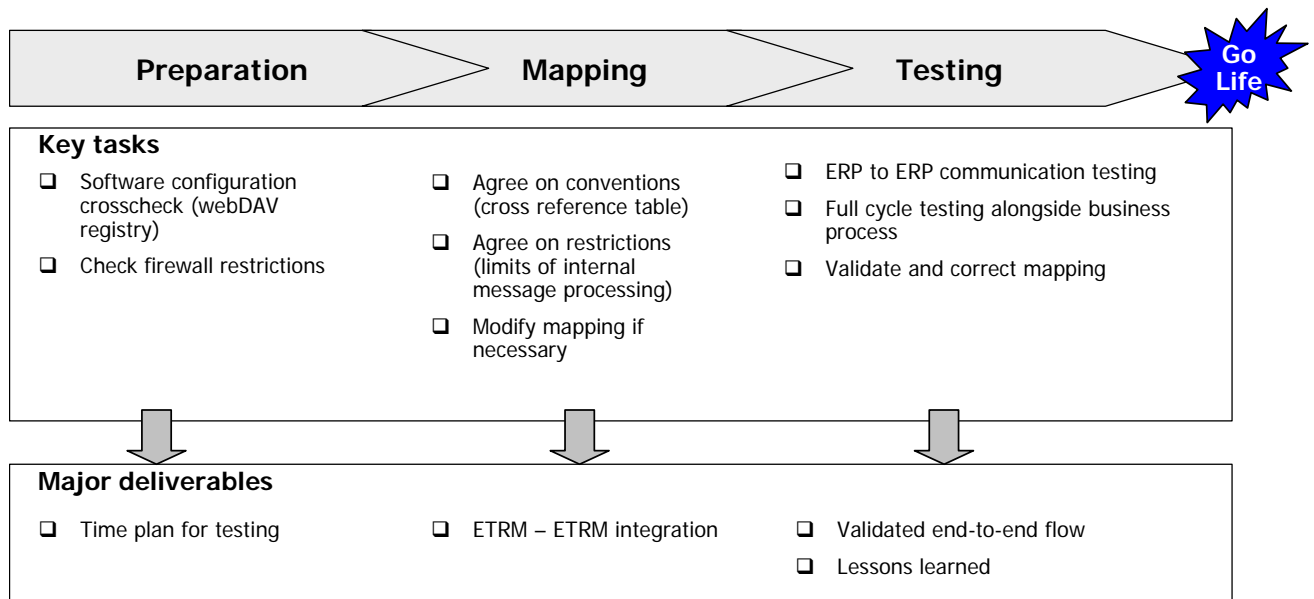
Synopsis of Key Project Tasks for First Roll-out

4.2 Accelerated Roll-out for consecutive connections

The consecutive integration will be easier and faster than the first integration. If the inhouse resources are trained properly during the first integration, it should be very feasible to perform these consecutive integration projects without outside help.



Synopsis of Project Plan for Consecutive Roll-out



Synopsis of Key Project Tasks for Consecutive Roll-out