Department of Health

PEPPOL
Demonstration of Technology

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Background

*"The NHS eProcurement strategy will establish the **PEPPOL messaging standards** and global GS1 coding throughout the healthcare sector and its supporting supply chains.*
Previous efforts to improve eProcurement in the NHS have been patchy due to a lack of central direction.
*We have now **mandated** the use of the PEPPOL and GS1 standards by amending the NHS Standard Contract to require compliance with this NHS eProcurement strategy."*

Dr Dan Poulter MP, Parliamentary Under Secretary of State for Health.
May 2014

Objective

Facilitation and production of an end to end PEPPOL demonstration of technology exercise for the NHS utilising:

1. PEPPOL Access Points
2. NHS Buyers
3. NHS Suppliers

The end to end production and transmission of :

1. Electronic Orders
2. Despatch Advices
3. Invoices

Using the four-corner model and PEPPOL transportation mechanisms. The production and publication of a case study demonstrating PEPPOL processes and technology working within the NHS environment.

Show that PEPPOL works in the NHS environment

Scope and scale

- A single organisation to administrate and facilitate the demonstration

- Six PEPPOL Access Point providers, at least one an SME

- A minimum of four NHS Trusts

- A minimum of seven suppliers, at least one a Distributor

- Both the 3-corner and 4-corner model to be tested

- Process live NHS Purchase Order and Supplier invoice through the network

Key challenge to control size and scale of the demonstration

Organisations involved

- **Celeris Ltd appointed to facilitate and administer the process**

NHS Buyers	NHS Suppliers	Commercial Access Points	Infrastructure Partners
Staffordshire and Stoke partnership	Abbot Medical Optics	Basware	Gefeg FX
Leeds Teaching Hospitals	Bard Medical	Cloudtrade	Midran Validex
University Hospitals of Leicester	Hays Specialist Recruitment	Data Interchange	Tickstar
East Lancaster Health	Heraeus Medical	GHX UK	
	NHS Supply Chain Alfreton	IBM	
	Reed Specialist Recruitment	IBX - Capgemini	
	Thermo Fisher Scientific	Tradeshift	

15 PEPPOL Access Points applied – 7 were selected

Process

Phase 1 – Engagement (March 2015)

- Invitation sent to all PEPPOL Access Point providers to participate, including high level requirements, background information and a template for completion

- Selection process completed

- Trusts and suppliers selected and ready to engage

Phase 2 – Message Conformance (April 2015)

- Data mapping completed by APs for translation to/from the agreed PEPPOL document specifications for all mandatory fields

- PEPPOL Messages tested by Service Providers using the provided Schema and Validation Tool

- PEPPOL Messages tested and approved using an external Test Bed

Phase 3 – End-to-end Testing (May/June 2015)
- Testing Message Exchange between Access Point providers

- Testing Message Exchange between Access Point provider and its respective NHS Trust / Supplier (testing client connection and conversion to PEPPOL BIS, including 3-corner model where applicable)

- End-to-end testing with all participants (testing 4-corner model)

- Testing Workflow (ensuring that messages are in the correct sequence and referenced to each other)

Outcome

- All organisations involved agreed it was successful in demonstrating that PEPPOL and the 4-corner model works in the NHS environment

- Case study published on the CPE portal (available to eligible trust staff)

- A webpage on the OpenPEPPOL website containing details of the case study and DH PEPPOL authority plans is under construction and will be available end Sept 2015

Thank you

- *''Thank you to the NHS trusts, suppliers, access points and infrastructure providers involved in the demonstration for their dedication in ensuring a successful outcome. I would also like to thank Celeris Ltd for their considerable efforts in coordinating the Demonstration".*

- DH has collaborated with UK and European colleagues to demonstrate that PEPPOL works in the NHS environment, and we can now move ahead in our plan for NHS wide adoption

- We are currently working through a selection process to award central funding to six GS1 and PEPPOL demonstrator trusts who adopt the GS1 and PEPPOL standards progressively from January 2016

Next steps

- Commission a second Demonstration of Technology in 2015

- Set up a centralised PEPPOL SMP, listing all NHS Trusts and suppliers capable of receiving PEPPOL messages

- Launch a procurement framework for the provision of PEPPOL Access Point services, from which NHS trusts can select their access point provider

- Establish a PEPPOL Authority, taking responsibility for the governance of the PEPPOL network in its domain and ensuring compliance with the PEPPOL legal framework for access point providers offering services to NHS England