



Redlined Communications Document Requirement text for P344

P344 proposes changes to sections 1.2, 2.1, 4.6 and add new section 5.6. We have redlined these changes against Version 17.0

There is no impact on any other part of this document for this CP.

Amend section 1.2 as follows:

1.2 Main Users of the Document

The main users of this document are:

- (a) Parties;
- (b) Party Agents;
- (c) Market Index Data Providers;
- (d) The Transmission Company and Licensed Distribution System Operators;
and
- (e) The following BSC Agents:
 - Balancing Mechanism Reporting Agent
 - Central Registration Agent
 - Central Data Collection Agent
 - Settlement Administration Agent
 - Energy Contract Volume Aggregation Agent
 - Funds Administration Agent
 - Technical Assurance Agent
- (f) Virtual Lead Parties

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Amend section 2.1 as follows:

2.1 List of Acronyms

The following is a list of acronyms used in this document:

ADSL – Asymmetric Digital Subscriber Line
BMRA - Balancing Mechanism Reporting Agent
BPITs – Business Process Integration Tests
BSC - Balancing and Settlement Code
BSC CSA – BSC Central Services Agent
CCP – Credit Cover Percentage
CDCA - Central Data Collection Agent
CIR - Committed Information Rate
CPU – Central Processing Unit
CRA - Central Registration Agent
DNS - Domain Name System
DR - Disaster Recovery
ECVAA - Energy Contract Volume Aggregation Agent
ECVNA - Energy Contract Volume Notification Agent

EWS – ECVAA Web Service
 FAA - Funds Administration Agent
 FTP - File transfer protocol
 GSP – Grid Supply Point
 IA – Interconnector Administrator
 ISDN - Integrated Services Digital Network
 ISP - Internet Service Provider
 LAN - Local Area Network
 LDSO- Licensed Distribution System Operator
 MOA – Meter Operator Agent
 MIDP – Market Index Data Provider
 MPLS – Multi Protocol Label Switching
 MVRNA – Metered Volume Reallocation Notification Agent
 NAT – Network Address Translation
 NATs - Network Access Tests
 NTP - Network Time Protocol
 PartID – Participant ID
 PCIG – Participant Communications Installation Guide
 OpenPGP – Open Source Pretty Good Privacy
 PVC - Permanent Virtual Circuit
 RVD - Rendezvous Daemon
 RVRD - Rendezvous Routing Daemon
 SAA - Settlement Administration Agent
 SMRA – Supplier Meter Registration Agent
 SVA –Supplier Volume Allocation
 TAA – Technical Assurance Agent
 TCP/IP - Transmission Control Protocol/Internet Protocol
 UTC- Co-ordinated Universal Time
VLP – Virtual Lead Party
 XSec – Participant Security Package

Amend section 4.6 as follows:

4.6 Technical Specification – High Grade Service

4.6.1 Network Communications

The High Grade Service consists of a number of MPLS connection options and are detailed as follows:

Technical Specification	Line Options
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	HG1a	HG1b	HG2a	HG2b	HG3a	HG3b	HG4	DR1	DR2
Primary Line Rental:									
256Kb Lease Line	✓	✓	*	*	*	*	*	*	✓
512Kb Lease Line	*	*	✓	✓	*	*	*	*	*
1Mb Lease Line	*	*	*	*	✓	✓	*	*	*
2Mb ADSL	*	*	*	*	*	*	✓	✓	*
Backup Line Rental:									
1SDN Backup	*	✓	*	✓	*	✓	✓	*	*
2Mb ADSL Backup	✓	*	✓	*	✓	*	*	*	*
Support:									
5 Hour Fix on Primary Line	✓	✓	✓	✓	✓	✓	*	*	✓
24 Hour Fix on Primary Line	*	*	*	*	*	*	✓	✓	*
1:1 Contention Ratio	✓	✓	✓	✓	✓	✓	*	*	✓
20:1 Contention Ratio	*	*	*	*	*	*	✓	✓	*

<u>Technical Specification</u>	<u>Line options</u>	
	<u>HG10</u>	<u>DR10</u>
<u>Primary Line Rental</u>		
<u>10Mb Leased Line</u>	✓	✗
<u>2Mb ADSL</u>	✗	✓
<u>Backup Line Rental</u>		
<u>2Mb ADSL Backup</u>	✓	✗
<u>Support</u>		
<u>5 Hour Fix on Primary Line</u>	✓	✗
<u>24 Hour Fix on Primary Line</u>	✗	✓
<u>Primary Line Uncontended</u>	✓	✗
<u>Primary Line Contended</u>	✗	✓
<u>One-off Costs¹</u>		
<u>Ongoing Annual Costs²</u>		

¹ Costs are published on the BSC Website.

² Costs are published on the BSC Website.

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In addition to protect against loss of the connection to the MPLS network a backup ADSL or Basic Rate ISDN line will be provided.

Variations to this standard specification to support, for example, multiple participants using the same High Grade Service will be handled by the BSCCo, in conjunction with the Service Provider, on a case by case basis.

The geographic scope of supply for communication lines is the United Kingdom. Participants who wish the connection termination to be outside the United Kingdom are required to contact BSCCo to make specific arrangements with the Service Provider.

The service includes the provision of a router with the following characteristics:

- the router will support TCP/IP;
- the interface presented on the Participant side of the private network router will be Ethernet 10/100 BaseT; and
- the router will support Network Address Translation (NAT), and the Service Provider will liaise with the Participant to ensure that the correct IP address space translations are configured.
- Participants shall order TIBCO software through BSCCo with signed Licences being returned to the Service Provider.³

Add section 5.6 as follows:

5.6 VLP Flows Requiring Testing

<u>Flow</u>	<u>Dir'n</u>	<u>User</u>	<u>Name</u>
<u>CRA-I014</u>	<u>to</u>	<u>VLP</u>	<u>Registration Report</u>
<u>SAA-I014</u>	<u>to</u>	<u>VLP</u>	<u>Settlement Reports</u>

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³ Participants may also use any existing TIBCO licences available to their organisation or procure TIBCO licences other than from BSCCo to access the BSC Central System TIBCO service.