



Smart Meters Programme Schedule 2.3

(Standards) (CSP Central/South version)

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Amendment History			
Version	Date	Author	Status
v.1	20/06/2012	DECC	Initial ISDS draft to bidders
v.2	14/09/2012	DECC	Interim ISDS draft to bidders
v.3	30/10/2012	DECC	Final ISDS draft to bidders
v.4	11/02/2013	DECC	ISFT draft to bidders
v.5	08/05/2013	DECC	Final ISFT draft to bidders
v.6	14/08/2013	DECC	Bidder specific version
v.6.1	29/08/2013	DECC	Updated DECC draft

SCHEDULE 2.3 STANDARDS

1. PURPOSE

- 1.1 This Schedule 2.3 (Standards) details certain Standards with which the Contractor is required to comply in delivering the Services under this Agreement.
- 1.2 This Schedule 2.3 is without prejudice to the Contractor's other obligations under this Agreement, including any requirement to comply with other Standards referred to elsewhere in this Agreement.
- 1.3 For the avoidance of doubt, references to Standards in this Agreement refer to the latest version of such Standards, as updated from time to time in accordance with Clause 53.

2. STANDARDS

Without prejudice to any other provisions of this Agreement, the Contractor (and the Contractor Solution) shall comply with the Standards referred to in this Schedule 2.3 throughout the Service Period.

2.1 ITIL standards

Standards contained in the Office of Government Commerce's IT Infrastructure Library (ITIL).

2.2 Technical standards

Technical standards, including:

No.	Standard	Applicable to Services other than Communications Hubs	Applicable to Communications Hubs
1.	ITU-R TF.460-6 (Standard-frequency and time-signal emissions)	Yes	Yes
2.	IEEE 802.15.4 (Standard for Physical and Medium Access Control Layers)	Yes	Yes
3.	BS EN 61000-6-3:2001 (Electromagnetic compatibility (EMC). Generic standards. Emission standard for industrial environments)	Yes	Yes
4.	BS EN 61000-6-1:2007 (Electromagnetic compatibility (EMC). Generic standards. Immunity for residential, commercial and light-industrial environments)	Yes	Yes
5.	ICNIRP Guidelines for limiting exposure to time-varying electric,	Yes	Yes

	magnetic and electromagnetic fields (up to 300 GHz)		
6.	European Council Recommendation (1999/519/EC) on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)	Yes	Yes

2.3 Security standards

Security standards, including:

No.	Standard	Applicable to Services other than Communications Hubs	Applicable to Communications Hubs
ISO/BS Standards			
1.	ISO/IEC 27001:2005 (Information technology – Security techniques – Information security management systems – Requirements)	Yes	Yes
2.	ISO/IEC 27002:2005 (Security techniques – Code of practice for information security management)	Yes	No
3.	ISO/IEC 27005:2011 (Information technology – Security techniques – Information security risk management)	Yes	No
4.	ISO/IEC 27033 (Information technology – Security techniques – Network security)	Yes	No
5.	ISO/IEC 27035:2011 (Information technology – Security techniques – Information security incident management)	Yes	No
6.	ISO/IEC 22301:2012 (Societal security – Business continuity management systems – Requirements)	Yes	No
7.	ISO/IEC 27031:2011 (Information technology – Security techniques – Guidelines for information and communication technology readiness for business continuity)	Yes	No
8.	BSI BS 10008 (Evidential weight and legal admissibility of electronic	Yes	No

	information)		
9.	DISC PD 0008 (Code of practice for legal admissibility and evidential weight of information stored electronically)	Yes	No
10.	BS 7858 – Security Screening	Yes	No
HMG/CESG Standards			
11.	HMG Information Assurance Standard No.4 (Management of Cryptographic Systems)	Yes	No
12.	HMG Information Assurance Standard No. 5 (Secure Sanitisation of Protectively Marked or Sensitive Information)	Yes	No
13.	HMG Information Assurance Standard No. 6 (Protecting Personal Data and Managing Information Risk)	Yes	No
14.	HMG Security Procedures – Telecommunications Systems and Services	Yes	No
15.	HMG Security Policy Framework	Yes	No
16.	HMG Baseline Personnel Security Standard (BPSS)	Yes	No
17.	CESG IA Good Practice Guide No.6 (Outsourcing and offshoring: Managing the Security Risks)	Yes	No
18.	CESG IA Good Practice Guide No.13 (Protective Monitoring for HMG ICT Systems)	Yes	No
19.	CESG IA Good Practice Guide No.18 (Forensic Readiness)	Yes	No
20.	CCTV Operational Requirements Manual 2009 (Publication No. 28/09)	Yes	No
Other Standards			
21.	RFC 3647 (Internet X.509 Public Key Infrastructure Certificate Policy and Certificate Practices Framework)	Yes	Yes
22.	Any requirements or advice of the Centre for Protection of National Infrastructure regarding Critical National Infrastructure (CNI)	Yes	No

	category as notified to the Contractor from time to time by the DCC		
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2.4 Quality and service management standards

Quality and service management standards, including:

No.	Standard	Applicable to Services other than Communications Hubs	Applicable to Communications Hubs
1.	"Managing Successful Programmes" (the HMG-approved programme management methodology)	Yes	No
2.	ISO 9001:2000 (Quality management systems – Requirements)	Yes	No

2.5 Business continuity standards

Business continuity standards, including:

No.	Standard	Applicable to Services other than Communications Hubs	Applicable to Communications Hubs
1.	ISO/IEC 27031:2011 (Information technology – Security techniques – Guidelines for information and communication technology readiness for business continuity)	Yes	No
2.	ISO/IEC 22301:2012 (Societal security – Business continuity management systems – Requirements)	Yes	No
3.	BS 25999 (Business Continuity Planning Standard)	Yes	No
4.	Business Continuity Institute (BCI) Good Practice Guidelines	Yes	No

2.6 Environmental standards

Environmental standards, including:

No.	Standard	Applicable to Services other than Communications Hubs	Applicable to Communications Hubs
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		Hubs	
1.	European Code of Conduct on Data Centres Energy Efficiency	Yes	No

2.7 Interface standards

Interface standards, including:

No.	Standard	Applicable to Services other than Communications Hubs	Applicable to Communications Hubs
1.	Web Content Accessibility Guidelines (WCAG) 2.0, W3C Recommendation 11 December 2008 http://www.w3.org/TR/2008/REC-WCAG20-20081211/	Yes	No

2.8 Communications standards

Communications standards, including:

No.	Standard	Applicable to Services other than Communications Hubs	Applicable to Communications Hubs
1.	3GPP TS 23.060, 43.064 (2G GPRS at GSM900)	Yes	Yes
2.	3GPP TS 25.308 (3G HSPA at U900)	Yes	Yes
3.	IEEE 802.15.4g (RF mesh 802.15.4g @ 868MHz)	Yes	Yes
4.	IEEE 802.15.4	Yes	Yes
5.	IETF RFC 6550 (Routing Protocol for Low-Power and Lossy Networks (RPL))	Yes	Yes
6.	3GPP TS 23.003 (Packet Data Protocol (PDP) Contexts and Access Point Names (APN))	Yes	Yes
7.	IETF RFC 2460 (IP version 6 (IPv6))	Yes	Yes
8.	IETF RFC 6282 (6LoWPAN)	Yes	Yes

9.	IETF RFC 792 (Internet Control Message Protocol (ICMP))	Yes	Yes
10.	3GPP TS 29.060 (GPRS Tunnelling Protocol (GTP))	Yes	Yes
11.	IETF RFC 768 (User Datagram Protocol (UDP))	Yes	Yes
12.	IEC 62056 (Device Level Message Specification (DLMS))	Yes	Yes
13.	IEC 62056 (DLMS CoSEM)	Yes	Yes
14.	SEP 1.x (ZigBee Smart Energy Profile)	Yes	Yes
15.	IETF RFC 1034, 1035 (Domain Name System (DNS))	Yes	Yes
16.	IETF RFC 5905 (Network Time Protocol (NTP))	Yes	Yes
17.	IETF CoAP draft standard Constrained Application Protocol (CoAP)	Yes	Yes
18.	IETF RFC 3411 (Simple Network Management Protocol (SNMP))	Yes	Yes

2.9 CE Laws/Standards

The CE Laws/Standards (as further described in Part C of Schedule 11 (Communications Hub)):

No.	Standard	Applicable to Services other than Communications Hubs	Applicable to Communications Hubs
1.	ETSI EN 301 489-1 – Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements	No	Yes
2.	ETSI EN 301 489-7 – Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio	No	Yes

	equipment and services; Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS)		
3.	ETSI EN 301 489-17 – Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems	No	Yes
4.	IEC 60950-1 – Information technology equipment – Safety – Part 1: General requirements	No	Yes
5.	EN 301511 – Global System for Mobile communications (GSM); Harmonized EN for mobile stations in the GSM 900 and GSM 1800 bands covering essential requirements of article 3.2 of the R&TTE directive (1999/5/EC)	No	Yes
6.	EN 300328 – Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2.4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive	No	Yes