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SCHEDULE 5

GAS SYSTEMS

Unions and joints

5.—(1) Every union and joint on a pipeline or gas container shall be so constructed and fitted that it will—

- (a) not be liable to work loose or leak when in use, and
- (b) be readily accessible for inspection and maintenance.

(2) Every union on a high pressure pipeline or on a gas container shall be made of suitable metal but such a union may contain non-metal washers and seals provided that such washers and seals are supported and constrained by metal components.

Commencement Information

11 Sch. 5 para. 5 in force at 11.8.1986, see **reg. 1**

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Changes and effects yet to be applied to :

- Regulations applied in part by S.I. 2003/1998, art. 58 (as inserted) by [S.I. 2023/524 art. 4](#)
- Regulations modified by [S.I. 2022/470 art. 3](#)

Changes and effects yet to be applied to the whole Instrument associated Parts and Chapters:

Whole provisions yet to be inserted into this Instrument (including any effects on those provisions):

- Sch. 2A Pt. 1 para. 1(1) words inserted by [S.I. 2009/2196 reg. 6\(2\)](#)
- Sch. 11A Pt. 3 para. 6(1) substituted by [S.I. 2017/881 reg. 17\(3\)\(a\)](#)
- Sch. 11A Pt. 3 para. 6(4) substituted by [S.I. 2017/881 reg. 17\(3\)\(b\)](#)
- Sch. 2A Pt. 2 para. 9C inserted by [S.I. 2009/2196 reg. 6\(3\)](#)
- Sch. 11A Pt. 2 para. 3 substituted by [S.I. 2017/881 reg. 17\(2\)](#)
- Sch. 11A Pt. 4 para. 9(3) substituted by [S.I. 2017/881 reg. 17\(5\)](#)
- Sch. 11A Pt. 4 para. 9(1) words inserted by [S.I. 2017/881 reg. 17\(4\)\(a\)](#)
- Sch. 11A Pt. 4 para. 9(1) words inserted by [S.I. 2017/881 reg. 17\(4\)\(b\)](#)
- Sch. 11A Pt. 4 para. 9(1) words inserted by [S.I. 2017/881 reg. 17\(4\)\(c\)](#)
- s. 61C substituted by [S.I. 2011/3065 reg. 4](#)
- s. 61D inserted by [S.I. 2011/3065 reg. 5](#)
- Sch. 2A para. 9A9B inserted by [S.I. 2000/3197 reg. 7](#)
- Sch. 3B Pt. 2 para. 6(a) words substituted by [S.I. 2003/1946 reg. 6\(2\)](#)
- Sch. 3B Pt. 2 para. 6(b) words substituted by [S.I. 2003/1946 reg. 6\(3\)](#)
- Sch. 3B Pt. 2 para. 7 words substituted by [S.I. 2003/1946 reg. 6\(4\)](#)
- Sch. 3B Pt. 2 para. 8 words substituted by [S.I. 2003/1946 reg. 6\(5\)](#)
- Sch. 3B Pt. 2 para. 10 words substituted by [S.I. 2003/1946 reg. 6\(6\)](#)
- Sch. 5 para. 4(4)(4A) substituted by [S.I. 2003/1690 reg. 5\(3\)](#)
- Sch. 7B para. 3A inserted by [S.I. 2002/227 reg. 2\(4\)](#)
- Sch. 7B para. 3(b)(c) substituted for Sch. 7B para. 3(b) by [S.I. 2003/3145 reg. 5\(2\)\(b\)](#)
- Sch. 7B para. 3A(b)(c) substituted for Sch. 7B para. 3A(b) by [S.I. 2003/3145 reg. 5\(3\)\(b\)](#)
- Sch. 7B para. 3A word omitted by [S.I. 2003/3145 reg. 5\(3\)\(a\)](#)
- Sch. 7B Pt. 1 para. 7(b) substituted by [S.I. 2017/1251 reg. 2\(2\)](#)
- Sch. 7B Pt. 2 para. 8(1)(d) inserted by [S.I. 2017/851 reg. 8\(d\)](#)
- Sch. 7B Pt. 2 para. 8(2)(a)(b) substituted by [S.I. 2017/851 reg. 8\(e\)](#)
- Sch. 7B Pt. 2 para. 8(1)(a) words inserted by [S.I. 2017/851 reg. 8\(a\)](#)
- Sch. 7B Pt. 2 para. 8(1)(b) words inserted by [S.I. 2017/851 reg. 8\(b\)](#)
- Sch. 7B Pt. 2 para. 8(1)(c) words inserted by [S.I. 2017/851 reg. 8\(c\)](#)
- Sch. 7B Pt. 00I para. 7(b) substituted by [S.I. 2003/1690 reg. 6](#)
- Sch. 7B(b) substituted by [S.I. 2009/1806 reg. 2\(2\)](#)
- Sch. 7XA para. 1(4A) inserted by [S.I. 2000/3197 reg. 8\(3\)](#)
- Sch. 7XA para. 11(c) and word inserted by [S.I. 2000/3197 reg. 8\(9\)](#)
- Sch. 7XA para. 2(2)(c) and word inserted by [S.I. 2006/2565 reg. 6\(3\)\(e\)](#)
- Sch. 7XA para. 2(2A) inserted by [S.I. 2006/2565 reg. 6\(4\)](#)

- Sch. 7XA para. 1(4B) inserted by S.I. 2009/2196 reg. 7(2)
- Sch. 7XA para. 2(2B) inserted by S.I. 2009/2196 reg. 7(5)
- Sch. 7XA para. 1(4A) replaced by S.I. 2006/2565 reg. 6(2)
- Sch. 7XA para. 11(c) words inserted by S.I. 2006/2565 reg. 6(15)
- Sch. 7XA para. 2(2A) words inserted by S.I. 2009/2196 reg. 7(4)(a)
- Sch. 7XA para. 2(2A) words inserted by S.I. 2009/2196 reg. 7(4)(b)
- Sch. 7XA Pt. 2 para. 2(2)(a) words inserted by S.I. 2007/2544 reg. 2(a)
- Sch. 7XA Pt. 2 para. 2(2)(a) words inserted by S.I. 2007/2544 reg. 2(b)
- Sch. 8 Pt. 3 para. 3A inserted by S.I. 2001/306 reg. 4(3)
- Sch. 8 Pt. 3 para. 2(1) words inserted by S.I. 2001/306 reg. 4(1)(a)
- Sch. 8 Pt. 3 para. 2(1) words inserted by S.I. 2001/306 reg. 4(1)(b)
- Sch. 8 Pt. 3 para. 3 words inserted by S.I. 2001/306 reg. 4(2)
- Sch. 11A heading substituted by S.I. 2017/881 reg. 17(1)
- reg. 4(7)(8) inserted by S.I. 2005/3165 reg. 4(3)
- reg. 7(3D) inserted by S.I. 2022/59 reg. 4(b)
- reg. 7(10) inserted by S.I. 2022/59 reg. 4(c)
- reg. 10B(3)(f) word substituted by S.S.I. 2013/119 Sch. 2 para. 4(2)(b)
- reg. 10B(3)(f) words inserted by S.I. 2004/3168 art. 10(2)
- reg. 10B(3)(f) words inserted by S.I. 2005/2929 art. 11(2)
- reg. 10B(3)(f) words substituted by S.S.I. 2005/344 Sch. 1 para. 5(2)
- reg. 10B(3)(f) words substituted by S.S.I. 2013/119 Sch. 2 para. 4(2)(a)
- reg. 10C(7)(d) word substituted by S.S.I. 2013/119 Sch. 2 para. 4(3)(b)
- reg. 10C(7)(d) words inserted by S.I. 2004/3168 art. 10(3)
- reg. 10C(7)(d) words inserted by S.I. 2005/2929 art. 11(3)
- reg. 10C(7)(d) words substituted by S.S.I. 2005/344 Sch. 1 para. 5(3)
- reg. 10C(7)(d) words substituted by S.S.I. 2013/119 Sch. 2 para. 4(3)(a)
- reg. 15(1D) inserted by S.I. 1995/551 reg. 3(5)
- reg. 15(1E) inserted by S.I. 2001/3208 reg. 5(2)
- reg. 15(1E) word substituted by S.I. 2002/1474 reg. 5
- reg. 15(2)(aa) inserted by S.I. 2015/142 reg. 4(2)
- reg. 15(2)(da) inserted by S.I. 2015/142 reg. 4(4)
- reg. 15(3)(b)(iii) words substituted by S.I. 2001/3208 reg. 5(8)
- reg. 15(3B) inserted by S.I. 1995/551 reg. 3(10)
- reg. 15(3B) words substituted by S.I. 2001/3208 reg. 5(11)
- reg. 15(3B)(a) words inserted by S.I. 2001/3208 reg. 5(12)
- reg. 15(5B) inserted by S.I. 2001/3208 reg. 5(16)
- reg. 15(8)(9) inserted by S.I. 2001/3208 reg. 5(18)
- reg. 17A(1) words inserted by S.I. 2001/3208 reg. 8(3)
- reg. 17A(1) words substituted by S.I. 2001/3208 reg. 8(2)
- reg. 17A(3)(a) substituted by S.I. 2001/3208 reg. 8(4)
- reg. 17A(4)(a) substituted by S.I. 2001/3208 reg. 8(5)
- reg. 17A(5)(a) substituted by S.I. 2001/3208 reg. 8(6)
- reg. 17A(7) substituted by S.I. 2001/3208 reg. 8(7)
- reg. 17A(8) substituted by S.I. 2001/3208 reg. 8(8)
- reg. 18(1C) inserted by S.I. 2001/3208 reg. 9(2)
- reg. 18(2)(aa) inserted by S.I. 2015/142 reg. 7(2)
- reg. 18(3A) inserted by S.I. 2017/851 reg. 3(b)
- reg. 18A inserted by S.I. 2013/271 reg. 4
- reg. 18A omitted by S.I. 2017/851 reg. 4
- reg. 22(3)(ba) inserted by S.I. 2015/142 reg. 8(2)
- reg. 25A inserted by S.I. 2010/312 reg. 3
- reg. 27(1)(i)-(k) inserted by S.I. 2020/1178 reg. 2(4)(a)(iii)
- reg. 27(1A) inserted by S.I. 2020/1178 reg. 2(4)(b)
- reg. 27(4)(a)(v) added by S.I. 2015/142 reg. 11(4)
- reg. 27(4)(ca) inserted by S.I. 2020/1178 reg. 2(4)(c)(ii)
- reg. 32(7A) inserted by S.I. 2015/142 reg. 12(2)
- reg. 32(11A) inserted by S.I. 2003/3145 reg. 3
- reg. 33(6A)-(6H) inserted by S.I. 2009/142 reg. 3(3)

- reg. 33(7)(e)(f) added by S.I. 2009/142 reg. 3(4)
- reg. 33(9) added by S.I. 2009/142 reg. 3(5)
- reg. 35(2)(ca) inserted by S.I. 2015/142 reg. 15(2)
- reg. 36A(2A)-(2E) added by S.I. 2004/2102 reg. 3(2)
- reg. 36A(2B) words substituted by S.I. 2009/142 reg. 4(2)
- reg. 36A(2C) words substituted by S.I. 2009/142 reg. 4(3)
- reg. 36A(2C)(b) substituted by S.I. 2005/3170 reg. 3(2)
- reg. 36A(2D)(2E) omitted by S.I. 2009/142 reg. 4(4)
- reg. 36A(7) substituted by S.I. 2004/2102 reg. 3(3)
- reg. 36A(7A) added by S.I. 2004/2102 reg. 3(4)
- reg. 36A(7A) substituted by S.I. 2005/3170 reg. 3(3)
- reg. 36A(8)(b) words added by S.I. 2004/2102 reg. 3(5)
- reg. 36A(9) words added by S.I. 2004/2102 reg. 3(6)(a)
- reg. 36A(9) words added by S.I. 2004/2102 reg. 3(6)(b)
- reg. 36A(9A) omitted by S.I. 2003/1946 reg. 4
- reg. 36A(13)(c)-(e) added by S.I. 2005/3170 reg. 3(4)(b)
- reg. 36A(13)(e) words substituted by S.S.I. 2013/119 Sch. 2 para. 4(4)
- reg. 36A(13)(f) and word inserted by S.I. 2009/142 reg. 4(5)(b)
- reg. 36B(1A)-(1D) added by S.I. 2004/2102 reg. 4(3)
- reg. 36B(1B) substituted by S.I. 2005/3170 reg. 4(2)
- reg. 36B(1B) word omitted by S.I. 2009/142 reg. 5(4)(b)
- reg. 36B(1B) words substituted by S.I. 2009/142 reg. 5(4)(a)
- reg. 36B(1C)(1D) omitted by S.I. 2009/142 reg. 5(5)
- reg. 36B(2)(d) words substituted by S.I. 2004/2102 reg. 4(4)
- reg. 36B(9) words added by S.I. 2004/2102 reg. 4(5)(b)
- reg. 36B(9) words omitted by S.I. 2004/2102 reg. 4(5)(a)
- reg. 36B(9) words substituted by S.I. 2004/2102 reg. 4(5)(c)
- reg. 36B(10) omitted by S.I. 2003/1946 reg. 5(4)
- reg. 36B(10)(b) words added by S.I. 2004/2102 reg. 4(6)
- reg. 36B(14)(e) word omitted by S.I. 2009/142 reg. 5(6)(a)
- reg. 36B(14)(e) words inserted by S.I. 2004/3168 art. 10(4)(a)
- reg. 36B(14)(e) words inserted by S.I. 2005/2929 art. 11(4)(a)
- reg. 36B(14)(e) words substituted by S.S.I. 2005/344 Sch. 1 para. 5(4)(a)
- reg. 36B(14)(e) words substituted by S.S.I. 2013/119 Sch. 2 para. 4(5)(a)
- reg. 36B(14)(g) and word inserted by S.I. 2009/142 reg. 5(6)(b)
- reg. 37(1)(c) added by S.I. 2015/142 reg. 16(2)
- reg. 37(5)(j)(k) added by S.I. 2005/2560 reg. 2(2)(b)
- reg. 37(5)(k) substituted by S.I. 2011/935 reg. 5(a)
- reg. 37(5)(k) words omitted by S.I. 2019/703 Sch. 10 para. 1(a)
- reg. 37(5)(l) and word added by S.I. 2009/3221 reg. 2(b)
- reg. 37(5)(aza) inserted by 2015 c. 20 Sch. 9 para. 6(3)
- reg. 37(5)(aa) inserted by S.I. 2006/594 Sch. para. 8
- reg. 37(5)(ab) inserted by S.S.I. 2006/129 sch. para. 1
- reg. 37(5)(ca) inserted by S.I. 2019/734 Sch. para. 58(2) (This amendment comes into force on the day on which s. 81 of the Forestry and Land Management (Scotland) Act 2018 (asp 8) comes into force. That provision is commenced on 1.4.2019 by S.S.I. 2019/47, reg. 2)
- reg. 37(9A) substituted by S.I. 2011/935 reg. 5(b)
- reg. 37(9A) words substituted by S.I. 2019/703 Sch. 10 para. 1(b)
- reg. 40(2A) inserted by S.I. 2003/1690 reg. 3(3)
- reg. 40(2A) words inserted by S.I. 2017/881 reg. 12
- reg. 41A added by S.I. 2005/2987 reg. 3
- reg. 41A(1) reg. 41A renumbered as reg. 41A(1) by S.I. 2009/142 reg. 6(2)(a)
- reg. 41A(2) added by S.I. 2009/142 reg. 6(2)(b)
- reg. 47(2)(f)-(j) inserted by S.I. 2001/1043 reg. 4(2)(e)
- reg. 47(4A) inserted by S.I. 2001/1043 reg. 4(5)
- reg. 48A(3A) inserted by S.I. 2001/1043 reg. 6(2)
- reg. 53C added by S.I. 2005/2987 reg. 4

- reg. 53C(1) reg. 53C renumbered as reg. 53C(1) by S.I. 2009/142 reg. 7(2)(a)
- reg. 53C(2) added by S.I. 2009/142 reg. 7(2)(b)
- reg. 55(2)(ba) inserted by S.I. 2015/142 reg. 17(2)
- reg. 56(1)(a)(aa) substituted for reg. 56(1)(a) by S.I. 2015/142 reg. 18
- reg. 60(1F)(b) words inserted by S.I. 2018/682 Sch. 1 para. 1
- reg. 61(2A) inserted by S.I. 2000/3197 reg. 4(2)
- reg. 61(10AB)(ca) added by S.I. 2003/3145 reg. 4(c)
- reg. 61A inserted by S.I. 2000/3197 reg. 5(1)
- reg. 61A Table words inserted by S.I. 2001/1825 reg. 3
- reg. 61A Table 1 words inserted by S.I. 2002/1474 reg. 2(2)
- reg. 61A Table words replaced by S.I. 2006/2565 reg. 4(5)
- reg. 61A(4) word substituted by S.I. 2001/3208 reg. 10
- reg. 61A(4) words substituted by S.I. 2001/306 reg. 3
- reg. 61A(7) replaced by S.I. 2006/2565 reg. 4(2)
- reg. 61A(8)(b) replaced by S.I. 2006/2565 reg. 4(3)
- reg. 61A(9) added by S.I. 2006/2565 reg. 4(4)
- reg. 61B inserted by S.I. 2009/2196 reg. 4
- reg. 61C inserted by S.I. 2011/427 reg. 3
- reg. 63(1)(c)(ca) substituted for reg. 63(1)(c) by S.I. 2015/142 reg. 20(1)
- reg. 66(8) inserted by S.I. 2017/881 reg. 13
- reg. 82(10)(aa) inserted by 2015 c. 20 Sch. 9 para. 7(3)
- reg. 94(2A) inserted by S.I. 2017/881 reg. 16(2)
- reg. 101(2)(aa) inserted by 2015 c. 20 Sch. 9 para. 8(3)
- reg. 107(2)(aa) inserted by 2015 c. 20 Sch. 9 para. 9(3)
- reg. 110 and cross-heading inserted by S.I. 2003/2695 reg. 2
- reg. 110(4) words substituted by S.I. 2022/81 reg. 3(1)(a)
- reg. 110(5A) inserted by S.I. 2018/592 reg. 2(2)
- reg. 110(5B) inserted by S.I. 2022/81 reg. 3(1)(b)
- reg. 110(6)(a) words substituted by S.I. 2022/81 reg. 3(1)(c)
- reg. 110(6)(c) substituted by S.I. 2022/81 reg. 3(1)(d)
- reg. 110(6)(f)(g) inserted by S.I. 2022/81 reg. 3(2)
- reg. 111 inserted by S.I. 2017/851 reg. 6