Appendix R

Summaries for Geospec 3: Model Specification for Soil Testing

Table R1 - Summary of Current British Standard References and Replacement Eurocodes

BS Status	Relevant Updated Code for Citation	ID No.	Page no.	Existing Content of Technical Guidance Document	General Comments to define Scope of Updating / Specific Clauses in EN (s) / UK NA(s)	Scope of Updating
Tachmical Clause					openio anno an territorio del	- -
Technical Clause	•	and the Control of the Control				
	<mark>187 - Pyknometers. Meth</mark>		T		I	
Confirmed, Current	-	Geospec3:733-2	76	(a) two 50 mL density bottles (pyknometers) with stoppers, complying with BS 733 : Part 2 : 1987 (BSI, 1987)	1987; Normative; The standard is is a normative testing standard which is current. No change is required.	1
BS 1796:Part 1:1	989 - Test Sieving. Meth			en Wire Cloth and Perforated Metal Plate.		
Confirmed, Current	-	Geospec3:1796-2	84	(1) Fit to the receiver the test sieve of the largest aperture size appropriate to the maximum size of the soil particles present, and put the specimen on the sieve (see BS 1796 : Part 1 : 1989 (BSI, 1989)).	1989; Normative; The standard is is a normative testing standard which is current. No change is required.	1
	arts 1 to 9 - Methods of T	est for Soils for Civ	il Engineeri			
Confirmed,	 -	Geospec3:1377-2	1	In the early 1990s, the Geotechnical Engineering Office (GEO) embarked on a study of BS 1377 : 1990 (BSI, 1990),	1990; Normative; The standard is is a normative testing standard which is	1
Current				with a view to adapting it for use in Hong Kong.	current. This citation in the Geospec 3 is historical. No change is required.	
Confirmed,	-	Geospec3:1377-3	19	The standard test procedures mainly follow BS 1377 : 1990 (BSI, 1990), modified for use in Hong Kong.	1990; Normative; The standard is is a normative testing standard which is	1
Current		GC05pC03.1377 3	13	standard test procedures manny ronow as 1577 1 1550 (551) 1550), modified for disc in riong Kong.	current. This citation in the Geospec 3 is historical. No change is required.	1
Confirmed,		Geospec3:1377-4	32	BS 1377: 1990 (BSI, 1990) requires the received sample to be oven-dried at 105°C to 110°C so that it can be	1990; Normative; The standard is is a normative testing standard which is	1
Current		Geospecs.1377-4	32	crumbled and riffled prior to wet sieving.	current. No change is required.	1 1
Confirmed,		Geospec3:1377-5	32		1990; Normative; The standard is is a normative testing standard which is	1
Current		Geospecs.1377-3	32	Clause 9.4.6.1 of BS 1377: Part 2:1990 (BSI, 1990).	current. No change is required.	1 1
Confirmed,		Geospec3:1377-6	33	As suggested in BS 1377: Part 3: 1990 (BSI,1990), if calcium sulphate is the only sulphate salt present, its low	1990; Normative; The standard is is a normative testing standard which is	1
	-	Geospecs.1377-0	33	solubility in water will keep the sulphate content of the aqueous extract below 1.2 g/litre.	I	1
Current Confirmed,		Geospec3:1377-7	33	The ion-exchange method, which is included in BS 1377: Part 3: 1990 (BSI, 1990) as an alternative to the gravimetric	current. No change is required. 1990; Normative; The standard is is a normative testing standard which is	1
	-	Geospecs.1377-7	33	method, is not recommended for general use because it cannot be used if groundwater or aqueous soil extracts	, ,	1
Current					current. No change is required.	
				contain chloride, nitrate or phosphate ions.		
Cantingod		Canana 2:1277 0	C1	/b) a weak hottle containing distilled water complying with Clause F 1 of RC 1277 (Port 1 , 1000 /RCI 1000)	1000. Nowcestive. The standard is is a new estimatesting standard which is	1
Confirmed,	-	Geospec3:1377-8	61	(h) a wash bottle containing distilled water complying with Clause 5.1 of BS 1377 : Part 1 : 1990 (BSI, 1990)	1990; Normative; The standard is is a normative testing standard which is	1
Current		6	04	The control of the line of the control of the line of	current. No change is required.	1
Confirmed,	-	Geospec3:1377-9	91	The apparatus as listed in Clause 8.1.3 as for Test Method 8.1 shall be used, except that Item (n), the dispersant, is	1990; Normative; The standard is is a normative testing standard which is	1
Current				not required, and should be replaced by distilled water complying with Clause 5.1 of BS 1377 : Part 1 : 1990 (BSI,	current. No change is required.	
				1990).		
C		C	0.4	(o) a wash bottle containing distilled water complying with Clause 5.1 of BS 1377 : Part 1 : 1990 (BSI, 1990)	4000 November The standard is in a generative testing standard which is	1
Confirmed,	-	Geospec3:1377-	94	(0) a wash bottle containing distilled water complying with clause 5.1 of B5 1377 : Part 1 : 1990 (B5), 1990)	1990; Normative; The standard is is a normative testing standard which is	1
Current Confirmed,		Geospec3:1377-	107	(n) a wash bottle containing distilled water complying with Clause 5.1 of BS 1377 : Part 1 : 1990 (BSI, 1990)	current. No change is required. 1990; Normative; The standard is is a normative testing standard which is	1
	-	deospecs.1377-	107	(ii) a wash bottle containing distilled water complying with clause 5.1 or 65 1377. Part 1. 1990 (65), 1990)		1
Confirmed		11 Casanas 2:1277	111	The apparatus as listed in Clause 0.5.2 as for Test Mathed 0.5 shall be used account that Itans (v) the dispersent shall	current. No change is required.	1
Confirmed,	-	Geospec3:1377-	114	The apparatus as listed in Clause 8.5.3 as for Test Method 8.5 shall be used, except that Item (r), the dispersant, shall be used, except that Item (r), the dispersant, shall be used, except that Item (r), the dispersant, shall be used, except that Item (r), the dispersant, shall be used, except that Item (r), the dispersant, shall be used, except that Item (r), the dispersant, shall be used, except that Item (r), the dispersant, shall be used, except that Item (r), the dispersant, shall be used, except that Item (r), the dispersant, shall be used, except that Item (r), the dispersant, shall be used, except that Item (r), the dispersant, shall be used, except that Item (r), the dispersant, shall be used, except that Item (r), the dispersant is the shall be used, except that Item (r), the dispersant is the shall be used, except that Item (r), the dispersant is the shall be used, except that Item (r), the dispersant is the shall be used, except that Item (r), the dispersant is the shall be used, except that Item (r), the dispersant is the shall be used, except that Item (r), the dispersant is the shall be used, except that Item (r), the dispersant is the shall be used, except that Item (r), the dispersant is the shall be used, except that Item (r), the shall be used to th	I	1 1
Current		12		be replaced with distilled water complying with Clause 5.1 of BS 1377 : Part 1 : 1990 (BSI, 1990).	current. No change is required.	
Cantingod		Canana 2,1277	122	(e) distilled water complying with Clause 5.1 of BS 1377 : Part 1 : 1990, and	1000. Nowcestive. The standard is is a new estimatesting standard which is	1
Confirmed,	-	Geospec3:1377-	132	(e) distilled water complying with Clause 5.1 of BS 1377 : Part 1 : 1990, and	1990; Normative; The standard is is a normative testing standard which is	1
Current		13	420	(*)	current. No change is required.	1
Confirmed,	-	Geospec3:1377-	138	(j) a wash bottle, preferably made of plastics, containing distilled water complying with Clause 5.1 of BS 1377: Part 1	<u> </u>	1
Current		14 Carana 2.1277	2	: 1990	current. No change is required.	1
Confirmed,	-	Geospec3:1377-	3		1990; Normative; The standard is is a normative testing standard which is	1
Current		15		the British Standards Institute, extracts from BS 1377 (BSI, 1990) and other British Standards have been incorporated	current. This citation in the Geospec 3 is historical. No change is required.	
C. C		6	2	into this Geospec.	4000 November 7 to the deal of the control of the c	1
Confirmed,	-	Geospec3:1377-	3	The technical standards presented in this Geospec are mainly based on BS 1377 (BSI, 1990). With the permission of	1990; Normative; The standard is is a normative testing standard which is	1
Current		16		the British Standards Institute, extracts from BS 1377 (BSI, 1990) and other British Standards have been incorporated	current. This citation in the Geospec 3 is historical. No change is required.	
		<u> </u>		into this Geospec.		
	pecification for Density Hy		l	Ten and the second of the seco	I	
Confirmed,	-	Geospec3:718-2	104	(a) a hydrometer of the type illustrated in Figure 8.5, or otherwise fulfilling the requirements of BS 718: 1991 (BSI,	1991; Normative; The standard is is a normative specification which is current.	. 1
Current				1991) as set out as follows:	No change is required.	
Confirmed,	 -	Geospec3:718-3	105	The following information shall be marked legibly on the stem or bulb of each hydrometer and shall not encroach on	1991; Normative; The standard is is a normative specification which is current.	. 1
Current				the scale or the figuring:	No change is required.	
				– the basis of scale, e.g. g/mL at 20°C,		
				– the maker's or vendor's name or mark,		
				– an identification number, and		
	1			- the number and version of the British Standard, i.e. BS 718: 1991 (BSI, 1991).		1

Table R1 - Summary of Current British Standard References and Replacement Eurocodes

BS Status	Relevant Updated	ID No.	Page	Existing Content of Technical Guidance Document	General Comments to define Scope of Updating /	Scope of
	Code for Citation		no.		Specific Clauses in EN (s) / UK NA(s)	Updating
BS 2000:Part 50	0:1993 - Methods of Test fo	or Soils for Petrole	um and Its	Products - Determination of Cone Penetration of Lubricating Grease.		
Confirmed,	-	Geospec3:2000-2	62	(k) a penetrometer as used for bituminous material testing complying with BS 2000 : Part 50 : 1993 (BSI, 1993)	2000; Normative; The standard is is a normative testing standard which is	1
Current					current. No change is required.	
BS 907:1965 - S	pecification for Dial Gauge	es for Linear Measu	rement.		•	•
Revised,	BS EN ISO 463:2006	Geospec3:907-2	326	The method of calibrating a dial gauge shall be in accordance with BS 907 : 1965 (BSI,1965), AS 2103 (Standard	1965; Superseded; The standard was revised and withdrawn and replaced by	4a
Withdrawn				Association of Australia, 1978) or any other relevant standards.	BS 907:2008, which was in turn superseded by BS EN ISO 463:2006. The	
					standard is a normative specification and should be updated.	
	Schedule for Tables for Us	1			According to the state of the s	1
Superseded,	BS EN ISO 4787:2011	Geospec3:1797-2	324	Volume change measuring devices, whether of burette type or transducer type, shall be calibrated by weighing the	1987; Superseded; The standard is a normative specification and should be	4a
Withdrawn				amount of deaired water that the volume change measuring devices displace at a measured temperature, applying any temperature corrections necessary in accordance with BS 1797 : 1987 (BSI, 1987).	updated.	
DC 511 40000 D	10100 - 11 - 11					
			T	ation of Force Proving Instruments Used for the Verification of Uniaxial Testing Machines	Loop Constitution and the state of the state	4
Superseded,	BS EN ISO 376-3:2011	Geospec3:10002-	322	For calibration using a calibrated proving device as reference standard, mount the force-measuring device and the	1995; Superseded; The standard is a normative specification and should be	4a
Withdrawn		2		proving device in the calibration apparatus so that forces are applied to the devices along the loading axis of the frame. The reference proving device shall be in accordance with BS EN 10002: Part 3: 1995 (BSI, 1995).	updated.	
BS 410:Part 1:2	000 - Test Sieves - Technic	cal Requirements ar	nd Testing.	Test Sieves of Metal Wire Cloth.		<u> </u>
			_	Test Sieves of Perforated Metal Plate.		
Current (Part 1)		Geospec3:410-3	339	Test sieve. A sieve complying with BS 410 : 2000 (BSI, 2000).	2000; Normative; Part 1 is current but the full title is BS410-1:2000, ISO	4a
Superceded,	BS ISO 3310-1:2013	· '			3310:2000. Part 2 has been withdrawn and replaced by by BS ISO 3310-	
Withdrawn					2:2013. The standards are normative and should be updated to the new	
(Part 2)					references.	
Reference Section	on of Report	1	T .			
Confirmed,	-	Geospec3:733-1	317	BSI (1987). Pyknometers. Methods for Calibration and Use of Pyknometers (BS 733 : Part 2 : 1987). British Standards	1987; Reference; The reference document has one citation. It is current. No	1
Current		Canana 2:170C 1	217	Institute, London, 1987, 13 p.	change is required.	1
Confirmed, Current	-	Geospec3:1796-1	317	BSI (1989). Test sieving. Methods using test sieves of woven wire cloth and perforated metal plate (BS 1796 : Part 1 : 1989). British Standards Institute, London, 1989, 16 p.	1989; Reference; The reference document has one citation. It is current. No change is required.	1
Confirmed,		Geospec3:1377-1	317	BSI (1990). Methods of Test for Soils for Civil Engineering Purposes (BS 1377 : 1990, Parts 1 to 9). British Standards	1990; Reference; The reference document has 15 citations. It is current. No	1
Current		Geospees.1577 1	317	Institute, London, 1990, 406 p.	change is required.	_
Confirmed,	-	Geospec3:718-1	317	BSI (1991). Specification for Density Hydrometers (BS 718 : 1991). British Standards Institute, London, 1991, 24 p.	1991; Reference; The reference document has two citations. It is current. No	1
Current					change is required.	
Confirmed,	-	Geospec3:2000-1	317	BSI (1993). Methods of Test for Petroleum and Its Products - Determination of Cone Penetration of Lubricating	1993; Reference; The reference document has one citation. It is current. No	1
Current				Grease	change is required.	
Current	-	Geospec3:410-1	317	BSI (2000). Test Sieves - Technical Requirements and Testing. Test Sieves of Metal Wire Cloth (BS 410 : Part 1 : 2000).	2000; Reference; The reference document has one general citation in the	3a
				British Standards Institute, London, 2000, 22 p.	Glossary. It is current, however the full title is BS410-1:2000, ISO 3310:2000.	
					The title should be updated.	
Superseded,	BS ISO 3310-2:2013	Geospec3:410-2	317	BSI (2000). Test Sieves - Technical Requirements and Testing. Test Sieves of Perforated Metal Plate (BS 410 : Part 2 :	2000; Reference; The reference document has one general citation in the	4a
Withdrawn	ppendix A of Report			2000). British Standards Institute, London, 2000, 18 p.	Glossary. It has been superceded and repalced by BS ISO 3310-2:2013.	
Superseded,	BS EN ISO 463:2006	Geospec3:907-1	327	BSI (1965). Specification for Dial Gauges for Linear Measurement (BS 907 : 1965), British Standards Institute, London,	1965; Reference; The reference document has one citation. It has been	4a
Withdrawn	B3 EN 130 403.2000	de03pec3.507-1	327	1965, 20 p.	superseded and replaced by BS EN ISO 463:2006, Geometrical Product	40
Witharawii				1565, 26 p.	Specifications (GPS) - Dimensional Measuring Equipment – Design and	
					Metrological Characteristics of Mechanical Dial Gauges (BS EN ISO 463:2006)	
					(Incorporating Corrigenda January 2009 and June 2011).	
Superseded,	BS EN ISO 4787:2011	Geospec3:1797-1	327	BSI (1987). Schedule for Tables for Use in the Calibration of Volumetric Glassware (BS 1797 : 1987), British Standards		4a
Withdrawn				Institute, London, 1987, 8. p.	superseded and replaced by BS EN ISO 4787:2011, Laboratory glassware -	
					Volumetric Instruments - Methods for Testing of Capacity and for Use (ISO	
					4787 : 2010, Corrected Version 2010-06-05) (BS EN ISO 4787:2011).	<u> </u>
Superseded,	BS EN ISO 376-3:2011	Geospec3:10002-	327	BSI (1995). Tensile Testing of Metallic Materials - Calibration of Force Proving Instruments Used for the Verification	1995; Reference; The reference document has one citation. It has been	4a
Withdrawn		1		of Uniaxial Testing Machines (BS EN 10002 : Part 3 . 1995), British Standards Institute, London, 1995, 2. p.	superseded and replaced by Metallic Materials - Calibration of force-proving	
					instruments used for the verification of uniaxial testing machines (ISO	
					376:2011) (BS EN ISO 376:2011).	

Table R2 - Extracts of Relevant Sections or Clauses of the British Standards and Eurocodes / National Annexes

Relevant Updated Code for	ID No.	Page	Scope of	Extracts of Relevant Sections or Clauses	Extracts of Relevant Sections or Clauses				
Citation	ID IVO.	no.	Updating	of the superseded British Standard(s)	of the replacement British/European Standards				
Technical Clauses in Report									
BS 733:Part 2:1987 - Pyknometers. Methods for Calibration and Use of Pyknometers.									
-	Geospec3:733-2	73	1	Whole document.	NA				
S 1796:Part 1:1989 - Test Sieving. Methods Using Test Sieves of Woven Wire Cloth and Perforated Metal Plate.									
-	Geospec3:1796-2	84	1	Whole document.	NA				
BS 1377: 1990 Parts 1 to 9 - Mo	BS 1377: 1990 Parts 1 to 9 - Methods of Test for Soils for Civil Engineering Purposes.								
-	Geospec3:1377-2	19	1	Whole document.	NA				
-	Geospec3:1377-3	19	1	Whole document.	NA				
-	Geospec3:1377-4	32	1	Clause 3.2.2.1 of BS 1377 : Part 2 :1990	NA				
-	Geospec3:1377-5	32	1	Clause 9.4.6.1 of BS 1377 : Part 2 :1990	NA				
-	Geospec3:1377-6	33	1	Clause 5.1.2 of BS 1377 : Part 3 :1990	NA				
-	Geospec3:1377-7	33	1	Clause 5.6 of BS 1377 : Part 3 :1990	NA				
-	Geospec3:1377-8	61	1	Clause 5.1 of BS 1377 : Part 1 : 1990	NA				
-	Geospec3:1377-9	91	1	Clause 5.1 of BS 1377 : Part 1 : 1990	NA				
-	Geospec3:1377-10	94	1	Clause 5.1 of BS 1377 : Part 1 : 1990	NA				
-	Geospec3:1377-11	107	1	Clause 5.1 of BS 1377 : Part 1 : 1990	NA				
-	Geospec3:1377-12	114	1	Clause 5.1 of BS 1377 : Part 1 : 1990	NA				
-	Geospec3:1377-13	132	1	Clause 5.1 of BS 1377 : Part 1 : 1990	NA				
-	Geospec3:1377-14	138	1	Clause 5.1 of BS 1377 : Part 1 : 1990	NA				
-	Geospec3:1377-15	3	1	Whole document.	NA				
-	Geospec3:1377-16	3	1	Whole document.	NA				
BS 718:1991 - Specification for	Density Hydrometer	rs.							
<u>-</u>	Geospec3:718-2	104	1	Whole document.	NA				
-	Geospec3:718-3	105	1	Whole document.	NA				
BS 2000:Part 50:1993 - Metho	ds of Test for Soils fo	r Petroleu	ım and Its Produ	ucts - Determination of Cone Penetration of Lubricating Grease.					
-	Geospec3:2000-2	62	1	Clause 5.1 of BS2000-50:1993	NA				
BS 907:1965 - Specification for	Dial Gauges for Line	ar Measu	rement.						
BS EN ISO 463:2006	Geospec3:907-2	326	4a	Clause B.3 of BS 907:1965	Clause 6.2 of BS EN ISO 463:2006				
BS 1797:1987 - Schedule for Ta		alibration	pf Volumetric (Glassware.					
BS EN ISO 4787:2011	Geospec3:1797-2	324	4a	Clause 1 of BS 1797:1987	Clause 7 of BS EN ISO 4787:2011				
	, 		als - Calibration	of Force Proving Instruments Used for the Verification of Uniaxial Testing Machines.					
BS EN ISO 376-3:2011	Geospec3:10002-2		4a	Whole document.	Whole document.				
BS 410:Part 1:2000 - Test Sieve	•		•						
BS 410:Part 2:2000 - Test Sieve	es - Technical Require	ements an	d Testing. Test	Sieves of Perforated Metal Plate.					
- BS ISO 3310-1:2013	Geospec3:410-3	339	4a	Whole document.	Whole document.				

Table R3 - Description of Standards, Differences and Recommended Amendments

ID No.	Page	Scope of	Description of Design, Specification and/or		Effects of differences in Adopting	Recommended Amendments	
			Quoted Standard(s)	Up-to-date Standard(s)			
Technical Clauses							
BS 733:Part 2:1987	- Pyknome	eters. Methods	for Calibration and Use of Pyknometers.				
Geospec3:733-2	76	1	Testing standard.	NA	NA	Reference document is up to date. No change required.	
BS 1796:Part 1:1989	9 - Test Sie	ving. Methods	Using Test Sieves of Woven Wire Cloth and Perfo	rated Metal Plate.			
Geospec3:1796-2	84	1	Testing standard.	NA	NA	Reference document is up to date. No change required.	
BS 1377: 1990 Parts	1 to 9 - M	ethods of Test	for Soils for Civil Engineering Purposes.				
Geospec3:1377-2	19	1	Testing standard.	NA	No change.	Reference document is up to date. No change required.	
Geospec3:1377-3	19	1	Testing standard.	NA	No change.	Reference document is up to date. No change required.	
Geospec3:1377-4	32	1	Testing standard.	NA	No change.	Reference document is up to date. No change required.	
Geospec3:1377-5	32	1	Testing standard.	NA	No change.	Reference document is up to date. No change required.	
Geospec3:1377-6	33	1	Testing standard.	NA	No change.	Reference document is up to date. No change required.	
Geospec3:1377-7	33	1	Testing standard.	NA	No change.	Reference document is up to date. No change required.	
Geospec3:1377-8	61	1	Testing standard.	NA	No change.	Reference document is up to date. No change required.	
Geospec3:1377-9	91	1	Testing standard.	NA	No change.	Reference document is up to date. No change required.	
Geospec3:1377-10	94	1	Testing standard.	NA	No change.	Reference document is up to date. No change	
Geospec3:1377-11	107	1	Testing standard.	NA	No change.	Reference document is up to date. No change	
Geospec3:1377-12	114	1	Testing standard.	NA	No change.	required. Reference document is up to date. No change required.	
Geospec3:1377-13	132	1	Testing standard.	NA	No change.	Reference document is up to date. No change	
Geospec3:1377-14	138	1	Testing standard.	NA	No change.	required. Reference document is up to date. No change required.	
Geospec3:1377-15	3	1	Testing standard.	NA	No change.	Reference document is up to date. No change required.	
Geospec3:1377-16	3	1	Testing standard.	NA	No change.	Reference document is up to date. No change required.	
BS 718:1991 - Speci	fication for	r Density Hydro	ometers.			jiequiieu.	
Geospec3:718-2	104	1	Test related specification.	NA	No change.	Reference document is up to date. No change required.	
Geospec3:718-3	105	1	Test related specification.	NA	No change.	Reference document is up to date. No change required.	

Table R3 - Description of Standards, Differences and Recommended Amendments

ID No.	Page	Scope of	Description of Design, Specification and/or		Effects of differences in Adopting	Recommended Amendments	
			Quoted Standard(s)	Up-to-date Standard(s)			
BS 2000:Part 50:199	93 - Metho	ds of Test for S	oils for Petroleum and Its Products - Determinatio	n of Cone Penetration of Lubricating Grease.			
Geospec3:2000-2	62	1	Testing standard.	NA	No change.	Reference document is up to date. No change required.	
BS 907:1965 - Speci	fication fo	r Dial Gauges fo	or Linear Measurement.				
Geospec3:907-2	326	4a	Test related specification.	BS EN ISO 463:2006	No change.	Citation to be updated to current standard.	
BS 1797:1987 - Sche	edule for T	ables for Use ir	n the Calibration pf Volumetric Glassware.				
Geospec3:1797-2	324	4a	Test related specification.	BS EN ISO 4787:2011	No change.	Citation to be updated to current standard.	
BS EN 10002:Part 3:	1995 - Ter	sile Testing of	Metallic Materials - Calibration of Force Proving In	struments Used for the Verification of Uniaxial Test	ing Machines.		
Geospec3:10002-2	322	4a	Test related specification.	BS EN ISO 376-3:2011	No change.	Citation to be updated to current standard.	
			Requirements and Testing. Test Sieves of Metal Wi				
BS 410:Part 2:2000	- Test Siev	es - Technical F	Requirements and Testing. Test Sieves of Perforate	d Metal Plate.			
Geospec3:410-3	339	4a	Testing standard.	Part 1 remains unchanged; Part 2 has been updated as BS ISO 3310-2:2013	No change.	Citation to be updated to current standards.	
				Part 2 has been updated as B3 i3O 3310-2.2013			
Reference Section o	f Report						
Geospec3:733-1	317	1	This reference document is: Confirmed, Current.	The current document(s) is (are): BS 733 : Part 2 : 1987	No change.	Retain the existing reference.	
Geospec3:1796-1	317	1	This reference document is: Confirmed, Current.	The current document(s) is (are): BSBS 1796 : Part 1 : 1989	No change.	Retain the existing reference.	
Geospec3:1377-1	317	1	This reference document is: Confirmed, Current.	The current document(s) is (are): BSBS 1377: 1990, Parts 1 to 9	No change.	Retain the existing reference.	
Geospec3:718-1	317	1	This reference document is: Confirmed, Current.	The current document(s) is (are): BSBS 718: 1991	No change.	Retain the existing reference.	
Geospec3:2000-1	317	1	This reference document is: Confirmed, Current.	The current document(s) is (are): BSBS 2000 : Part 50 : 1993	No change.	Retain the existing reference.	
Geospec3:410-1	317	3a	This reference document is: Current.	The current document(s) is (are): BS 410-1:2000, ISO 3310-1:2000	No change.	Retain the existing reference, but update to the full BS ISO title.	
Geospec3:410-2	317	4a	This reference document is: Superseded, Withdrawn.	The current document(s) is (are): BS ISO 3310-2:2013	No change.	Replace the existing reference with BS ISO 3310 2:2013	
References in Apper	ndix A of R	eport		1		12.222	
Geospec3:907-1	327	4a	This reference document is: Superseded,	The current document(s) is (are): BS EN ISO 463:2006	No change.	Replace the existing reference with BS EN ISO 463:2006.	
Geospec3:1797-1	327	4a	Withdrawn. This reference document is: Superseded, Withdrawn.	The current document(s) is (are): BS EN ISO 4787:2011	No change.	Replace the existing reference with BS EN 12390 1:2012 and BS EN ISO 4787:2011.	
Geospec3:10002-1	327	4a	This reference document is: Superseded, Withdrawn.	The current document(s) is (are): BS EN ISO 376-3:2011	No change.	Replace the existing reference with BS EN ISO 37 3:2011.	

Table R4 - Recommended Revisions to Existing Clauses referring to British Standards

Page no.	BS Referenced in Technical	Scope of Updating	ID No.	Existing Content of Technical Guidance Document	Recommended Content for Updated Technical Guidance Document
110.	Guidance Document	(1)		Technical Guidance Document	opulied reminear durance Deciment
3	BS 1377: 1990	1	Geospec3:1377-15	The technical standards presented in this Geospec are mainly based on BS 1377 (BSI, 1990). With the permission of the British Standards Institute, extracts from BS 1377 (BSI, 1990) and other British Standards have been incorporated into this Geospec.	No change.
3	BS 1377: 1990	1	Geospec3:1377-16	The technical standards presented in this Geospec are mainly based on BS 1377 (BSI, 1990). With the permission of the British Standards Institute, extracts from BS 1377 (BSI, 1990) and other British Standards have been incorporated into this Geospec.	No change.
19	BS 1377: 1990	1	Geospec3:1377-2	In the early 1990s, the Geotechnical Engineering Office (GEO) embarked on a study of BS 1377: 1990 (BSI, 1990), with a view to adapting it for use in Hong Kong.	No change.
19	BS 1377: 1990	1	Geospec3:1377-3	The standard test procedures mainly follow BS 1377: 1990 (BSI, 1990), modified for use in Hong Kong.	No change.
32	BS 1377: 1990	1	Geospec3:1377-4	BS 1377: 1990 (BSI, 1990) requires the received sample to be oven-dried at 105°C to 110°C so that it can be crumbled and riffled prior to wet sieving.	No change.
32	BS 1377: 1990	1	Geospec3:1377-5	If requested by the Specifiers, it should be carried out in accordance with the recommended procedures described in Clause 9.4.6.1 of BS 1377: Part 2:1990 (BSI, 1990).	No change.
33	BS 1377: 1990	1	Geospec3:1377-6	As suggested in BS 1377: Part 3: 1990 (BSI,1990), if calcium sulphate is the only sulphate salt present, its low solubility in water will keep the sulphate content of the aqueous extract below 1.2 g/litre.	No change.
33	BS 1377: 1990	1	Geospec3:1377-7	The ion-exchange method, which is included in BS 1377: Part 3: 1990 (BSI, 1990) as an alternative to the gravimetric method, is not recommended for general use because it cannot be used if groundwater or aqueous soil extracts contain chloride, nitrate or phosphate ions.	No change.
61	BS 1377: 1990	1	Geospec3:1377-8	(h) a wash bottle containing distilled water complying with Clause 5.1 of BS 1377: Part 1: 1990 (BSI, 1990)	No change.
62	BS 2000:Part 50:1993	1	Geospec3:2000-2	(k) a penetrometer as used for bituminous material testing complying with BS 2000 : Part 50 : 1993 (BSI, 1993)	No change.
73	Geospec3:733-2	1	Geospec3:733-2	(a) two 50 mL density bottles (pyknometers) with stoppers, complying with BS 733: Part 2: 1987 (BSI, 1987)	No change.
84	Geospec3:1796-2	1	Geospec3:1796-2	(1) Fit to the receiver the test sieve of the largest aperture size appropriate to the maximum size of the soil particles present, and put the specimen on the sieve (see BS 1796: Part 1: 1989 (BSI, 1989)).	No change.
91	BS 1377: 1990	1	Geospec3:1377-9	The apparatus as listed in Clause 8.1.3 as for Test Method 8.1 shall be used, except that Item (n), the dispersant, is not required, and should be replaced by distilled water complying with Clause 5.1 of BS 1377: Part 1: 1990 (BSI, 1990).	No change.
94	BS 1377: 1990	1	Geospec3:1377-10	(o) a wash bottle containing distilled water complying with Clause 5.1 of BS 1377: Part 1: 1990 (BSI, 1990)	No change.
104	BS 718:1991	1	Geospec3:718-2	(a) a hydrometer of the type illustrated in Figure 8.5, or otherwise fulfilling the requirements of BS 718: 1991 (BSI, 1991) as set out as follows:	No change.
105	BS 718:1991	1	Geospec3:718-3	The following information shall be marked legibly on the stem or bulb of each hydrometer and shall not encroach on the scale or the figuring: – the basis of scale, e.g. g/mL at 20°C, – the maker's or vendor's name or mark, – an identification number, and – the number and version of the British Standard, i.e. BS 718: 1991 (BSI, 1991).	No change.
107	BS 1377: 1990	1	Geospec3:1377-11	(n) a wash bottle containing distilled water complying with Clause 5.1 of BS 1377: Part 1: 1990 (BSI, 1990)	No change.

Table R4 - Recommended Revisions to Existing Clauses referring to British Standards

Page no.	BS Referenced in Technical Guidance Document	Scope of Updating	ID No.	Existing Content of Technical Guidance Document	Recommended Content for Updated Technical Guidance Document
114	BS 1377: 1990	1	Geospec3:1377-12	The apparatus as listed in Clause 8.5.3 as for Test Method 8.5 shall be used, except that Item (r), the dispersant, shall be replaced with distilled water complying with Clause 5.1 of BS 1377: Part 1: 1990 (BSI, 1990).	No change.
132	BS 1377: 1990	1	Geospec3:1377-13	(e) distilled water complying with Clause 5.1 of BS 1377: Part 1: 1990, and	No change.
138	BS 1377: 1990	1	Geospec3:1377-14	(j) a wash bottle, preferably made of plastics, containing distilled water complying with Clause 5.1 of BS 1377 : Part 1 : 1990	No change.
317	BS 733-2: 1987	1	Geospec3:733-1	BSI (1987). Pyknometers. Methods for Calibration and Use of Pyknometers (BS 733 : Part 2 : 1987). British Standards Institute, London, 1987, 13 p.	[No change.]
317	BS 1796-1: 1989	1	Geospec3:1796-1	BSI (1989). Test sieving. Methods using test sieves of woven wire cloth and perforated metal plate (BS 1796: Part 1: 1989). British Standards Institute, London, 1989, 16 p.	[No change.]
317	BS 1377: 1990	1	Geospec3:1377-1	BSI (1990). Methods of Test for Soils for Civil Engineering Purposes (BS 1377 : 1990, Parts 1 to 9). British Standards Institute, London, 1990, 406 p.	[No change.]
317	BS 718: 1991	1	Geospec3:718-1	BSI (1991). Specification for Density Hydrometers (BS 718 : 1991). British Standards Institute, London, 1991, 24 p.	[No change.]
317	BS 2000-50: 1993	1	Geospec3:2000-1	BSI (1993). Methods of Test for Petroleum and Its Products - Determination of Cone Penetration of Lubricating Grease (BS 2000 : Part 50 : 1993). British Standards Institute, London, 1993, 10 p.	[No change.]
317	BS 410-1: 2000	3a	Geospec3:410-1	BSI (2000). Test Sieves - Technical Requirements and Testing. Test Sieves of Metal Wire Cloth (BS 410 : Part 1 : 2000). British Standards Institute, London, 2000, 22 p.	BSI (2000). Test Sieves - Technical Requirements and Testing. Part 1: Test Sieves of Metal Wire Cloth (BS 410-1:2000, ISO 3310-1:2000). British Standards Institute, London, 2000, 22 p (Incorporating Corrigenda December 2005).
317	BS 410-2: 2000	4a	Geospec3:410-2	BSI (2000). Test Sieves - Technical Requirements and Testing. Test Sieves of Perforated Metal Plate (BS 410 : Part 2 : 2000). British Standards Institute, London, 2000, 18 p.	BSI (2013). Test Sieves - Technical Requirements and Testing. Part 2: Test Sieves of Perforated Metal Plate (BS ISO 3310-2:2013). British Standards Institute, London, 2013, 18 p.
322	BS EN ISO 10002-3:1995	4a	Geospec3:10002-2	For calibration using a calibrated proving device as reference standard, mount the force-measuring device and the proving device in the calibration apparatus so that forces are applied to the devices along the loading axis of the frame. The reference proving device shall be in accordance with BS EN 10002: Part 3: 1995 (BSI, 1995).	For calibration using a calibrated proving device as reference standard, mount the force-measuring device and the proving device in the calibration apparatus so that forces are applied to the devices along the loading axis of the frame. The reference proving device shall be in accordance with BS EN ISO 376: 2011 (BSI, 2011b).
324	BS 1797:1987	4a	Geospec3:1797-2	Volume change measuring devices, whether of burette type or transducer type, shall be calibrated by weighing the amount of deaired water that the volume change measuring devices displace at a measured temperature, applying any temperature corrections necessary in accordance with BS 1797: 1987 (BSI, 1987).	Volume change measuring devices, whether of burette type or transducer type, shall be calibrated by weighing the amount of deaired water that the volume change measuring devices displace at a measured temperature, applying any temperature corrections necessary in accordance with BS EN ISO 4787: 2011 (BSI, 2011a).
326	BS 907:1965	4a	Geospec3:907-2	The method of calibrating a dial gauge shall be in accordance with BS 907: 1965 (BSI, 1965), AS 2103 (Standard Association of Australia, 1978) or any other relevant standards.	The method of calibrating a dial gauge shall be in accordance with BS EN ISO 463: 2006 (BSI, 2008), AS 2103 (Standard Association of Australia, 1978) or any other relevant standards.
327	BS 907:1965	4a	Geospec3:907-1	BSI (1965). Specification for Dial Gauges for Linear Measurement (BS 907 : 1965), British Standards Institute, London, 1965, 20 p.	BSI (2008). Geometrical Product Specifications (GPS) - Dimensional Measuring Equipment – Design and Metrological Characteristics of Mechanical Dial Gauges (BS EN ISO 463:2006). British Standards Institute, London, 2008, 14 p (Incorporating Corrigenda January 2009 and June 2011).
327	BS 1797:1987	4a	Geospec3:1797-1	BSI (1987). Schedule for Tables for Use in the Calibration of Volumetric Glassware (BS 1797 : 1987), British Standards Institute, London, 1987, 8. p.	BSI (2011a). Laboratory glassware - Volumetric Instruments - Methods for Testing of Capacity and for Use (BS EN ISO 4787:2011). British Standards Institute, London, 2008,
327	BS EN ISO 10002-3:1995	4a	Geospec3:10002-1	BSI (1995). Tensile Testing of Metallic Materials - Calibration of Force Proving Instruments Used for the Verification of Uniaxial Testing Machines (BS EN 10002: Part 3 . 1995), British Standards Institute, London, 1995, 2. p.	BSI (2011b). Metallic Materials - Calibration of force-proving instruments used for the verification of uniaxial testing machines (BS EN ISO 376:2011). British Standards Institute, London, 2008,
339	BS 410:2000	4a	Geospec3:410-3	Test sieve. A sieve complying with BS 410 : 2000 (BSI, 2000).	Test sieve. A sieve complying with BS 410-1:2000, ISO 3310:2000 (BSI, 2000a) or BS ISO 3310-2:2013 (BSI, 2000b).