1. Record Nr. UNISA996201983003316

Autore	Summerhayes Stuart
Titolo	CDM regulations : procedures manual / / Stuart D. Summerhayes
Pubbl/distr/stampa	Oxford ; ; Malden, Mass., : Blackwell Pub., 2002
ISBN	1-281-31869-8 9786611318697 0-470-69078-X 0-470-68050-4
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (176 pages)
Disciplina	343.41/078624
Soggetti	Construction industry - Safety regulations - Great Britain Construction industry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references [p. 163] and index.
Nota di contenuto	CDM Regulations Procedures Manual; Contents; Section 1 Introduction; How the manual works; Section 2 CDM Compliance - Or Not?; Section 3 The Client; 3.1 Client flowchart; 3.2 Client checklist; 1 Appointment of agent; 2 Appointment of planning supervisor; Competence; Allocation of adequate resources; 3 Service agreement; 4 F10 notification (initial); Relevant information; 6 Appointment of designers; Competence; Allocation of adequate resources; 7 Appointment of principal contractor; Competence; Allocation of adequate resources; 8 F10 notification (final) 9 Construction phase health and safety plan 10 Health and safety file; Confirmation of receipt; 11 Availability of health and safety file; 12 Transfer of health and safety file; Section 4 The Planning Supervisor; 4.1 Planning supervisor flowchart; 4.2 Planning supervisor checklist; 1 Service agreement; 2 F10 notification (initial); 3 Relevant information; 4 Designer; Competence; Allocation of adequate resources; 5 Confirmation of competence and resources; 6 Design considerations; 7 Adequate information; 8 Cooperation between designers; 9 Risk assessments; 10 Pre-tender health and safety plan 11 Contractor Competence; 12 Confirmation of competence; 13 Allocation of adequate resources; 14 Confirmation of adequacy of

resources; 15 F10 notification (additional); Copy to principal contractor; Copy to client; 16 Construction phase health and safety plan; 17 Confirmation of suitability; 18 Health and safety agenda item; 19 Health and safety file preparation; 20 Delivery of health and safety file; 21 Confirmation of receipt of health and safety file; Section 5 The Designer; 5.1 Designer flowchart; 5.2 Designer checklist; 1 Competence/adequacy of resources questionnaire; 2 Client's duties 3 Design consideration 4 Adequate information; 5 Cooperation; 6 Risk assessments; 7 Variation orders; 8 Information to planning supervisor; 9 'As-built' record drawings; 10 Post-construction liability; Section 6 The Principal Contractor; 6.1 Principal contractor flowchart; 6.2 Principal contractor checklist; 1 Competence questionnaire; 2 Pre-tender health and safety plan; 3 Tender submission; 4 Allocation of adequate resources; 5 Minutes of resource meeting; 6 F10 notification (additional); 7 Construction phase health and safety plan; 8 Commencement of Construction (sanction to start)
9 Cooperation between contractors 10 Compliance with rules; 11 Trespass/security; 12 F10 notification-display; 13 Relevant information for planning supervisor; 14 Directions to contractors; 15 Site rules; 16 Information - to contractor; 17 Information - from contractor to employee; 18 Employees and self-employed - discussions and advice; 19 Arrangements for coordination of views; 20 Health and safety file; Section 7 The Contractor; 7.1 Contractor flowchart; 7.2 Contractor checklist; 1 Competence questionnaire; 2 Pre-tender health and safety plan; 3 Allocation of adequate resources; 4 Notification of relevant information

Sommario/riassunto

The Construction (Design and Management) Regulations require all those involved in construction to adopt an integrated approach to health and safety management. Clients, designers and contractors, as well as planning supervisors, must now work together to ensure that health and safety management issues are considered throughout all phases of a project. Appropriate procedures must be established to ensure that documentation is clear and a structured approach is adopted by all those involved in a project to ensure that the requirements of the regulations are complied with.

2. Record Nr. UNINA9910383811403321

Autore	Sansò Fernando
Titolo	Quantum Measurement of Gravity for Geodesists and Geophysicists / / by Fernando Sansò, Federica Migliaccio
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-42838-9
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (VIII, 133 p. 18 illus.)
Collana	Springer Geophysics, , 2364-9119
Disciplina	526.7
Soggetti	Geophysics Quantum theory Magnetism Magnetic materials Geophysics/Geodesy Quantum Physics Magnetism, Magnetic Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1 Recalls of classical mechanics -- 2 Recalls of the classical theory of the electromagnetic eld -- 3 The crisis of classical physics and the dawn of quantum physics -- 4 The principles of quantum mechanics -- 5 First applications of quantum theory -- 6 The quantum measurement of gravity. .
Sommario/riassunto	During the last thirty years a great advancement in low energy physics, particularly interactions of atoms with the electromagnetic field, has been achieved and the development of electronics and laser techniques has allowed to implement a fine manipulation of atoms with photons. A wealth of important applications has sprung out from the ability of manipulating large samples of cold atoms. Among them, the improvement of atomic clocks and the creation of atomic gyroscopes and of atomic gravity meters, which is obviously of great interest for geodesists and geophysicists, particularly for potential applications in satellite geodesy. This book explains the fundamental concepts necessary to understand atom manipulation by photons, including the

principles of quantum mechanics. It is conceived as a road that leads the reader from classical physics (mechanics and electromagnetism, considered as a common scientific background of geodesists and geophysicists), to the basics of quantum mechanics in order to understand the dynamics of atoms falling in the gravity field, while interacting with suitably resonant laser beams. There are different types of measurements of gravity based on the manipulation of ultra-cold atoms; the book presents the principles of the instruments based on stimulated Raman transition, which can be easily worked out analytically. However, the concepts explained in the text can provide a good starting point to understand also the applications based on the so-called Block oscillations or on the Bose–Einstein condensation. .