

MANAGEMENT OF TEMPORARY WORKS

CONSTRUCTION ENGINEERING SPECIALIST TEAM

2010/11 Management of Temporary Works Project



- Promote awareness and knowledge of the importance of managing temporary works
- Improve contractors' management arrangements of temporary works
- Increase the competency of those engaged in temporary works management and design
- Reduce accidents arising from temporary works failures





- Defined in BS 5975
- An 'engineered solution' used to
 - Support or protect an existing structure or the permanent works during construction
 - Support an item of plant or equipment
 - Support an excavation
 - Provide access



Examples of Temporary Works

Earthworks

 Trenches, excavations, temporary slopes and stockpiles. Cofferdams

Structures

 Formwork, falsework, propping, façade retention, needling, shoring, edge protection, temporary bridges, site hoarding and signage, site fencing.

Equipment/plant foundations

 Tower crane bases, supports, anchors and ties for hoists, MCWPs, crane and piling platforms

Guidance on Design and Management of Temporary Works



- BS5975: 2008 Code of practice for temporary works procedures and the permissible stress design of falsework
- SIM 02/2010/04: The management of temporary works in the construction industry
- www.temporaryworks.info

BS 5975:2008



BS 5975:2008

Incorporating Corrigendum No. 1



BSI British Standards

Code of practice for temporary works procedures and the permissible stress design of falsework

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raising standards worldwide™





HSE

BS 5975:2008

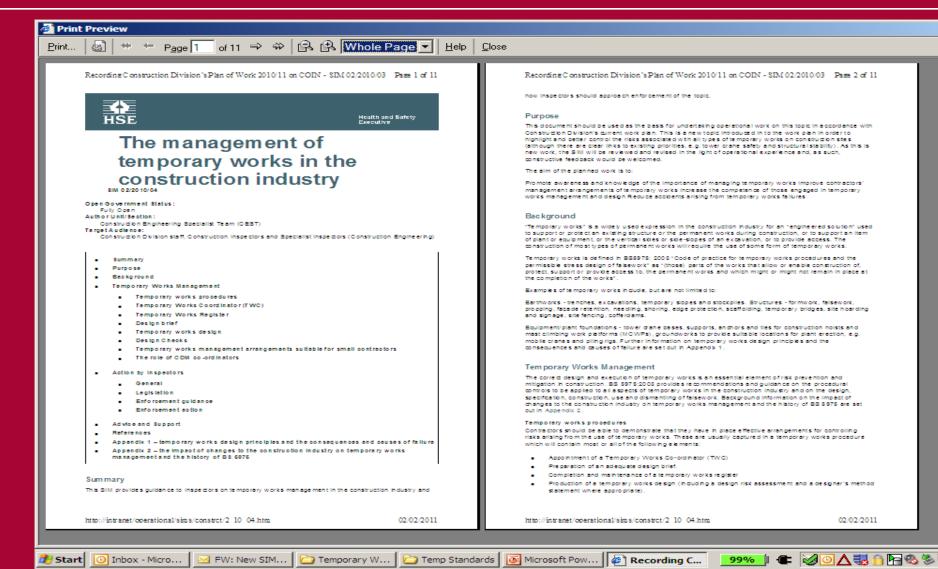
- Recommendations and guidance on procedural controls to all aspects of temporary works and on design of falsework
- Cl. 5 Legislation

Section 2: Procedural control of temporary works

Section 3 : Design

SIM 02/2010/04: The management of temporary works in the construction industry









- Design Brief
- Temporary Works Co-ordinator
- Temporary Works Supervisor
- Temporary Works Register
- Use of specialist contractors and suppliers
- CDM-C Role?

The Role of the Temporary Works Coordinator



- Explained in SIM and BS5975
- Qualifications and Experience
- TW Training
- Authority to stop the works without referral elsewhere
- Other roles on site

The Role of the Temporary Work Supervisor



- Explained in SIM and BS5975
- Qualifications and Experience
- TW Training
- Other roles on site



Design of the Temporary Works

• Is there a documented design brief?

 Is the design undertaken in-house, external supplier, subcontractor, permanent works engineer, combination of these?

• Standard proformas?

• Methods of communication?

Temporary Works – Proprietary Equipment



- Proprietary equipment supplier
 - Have they designed the foundations?
 - Any assumptions made that the PC has to confirm/investigate
 - Independent checking? By who?
 - Status of drawings
 - Checking procedures on site



Temporary Works Management Arrangements Suitable for Small Contractors

Are principles of BS5975 in place:

- Ensuring a competent designer/adviser is in place to supply an engineered solution
- Adequate communication
- Design checking to an appropriate level
- Suitable checks on erection/installation
- Someone co-ordinating the whole process

The Role of the CDM-C in Management of Temporary Works



- Any involvement with the temporary works?
- Checks on competence on designers
- Steps taken to ensure co-operation between the permanent and temporary works designers
- Discussed at CDM co-ordination or site meetings
- Advise clients on the suitability of the initial construction phase plan. i.e. the arrangements for controlling significant site risks