



Temporary Works
forum

Promoting best practice in
the construction industry.

Temporary Works

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Enabling Engineering

Specialist Engineering for complex projects



Your break out topic is Temporary Works



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Please discuss your organisation's policy & practices in relation to CDM & Design Risk Management within the Temporary Works sector.

Temporary Works Forum TWf

The Temporary Works Forum (TWf) aims to encourage open discussion of any matter related to temporary works. The forum is subscription-based and open to any organisation within the industry - large or small - sharing this intent; whether client, permanent works designer, principal contractor, temporary works designer, proprietary equipment supplier, specialist, industry body or academia.

The TWf's primary objectives with respect to temporary works are to:

- Give authoritative guidance and when required professional leadership to the industry;
- Consider aspects of permanent works and interfaces between permanent works and temporary works as are relevant;
- Consider both current practice and likely development;
- Be aware of trends and innovations in design, construction and use.

So how can a body such as the TWf representing so many types of organisations, provide support and guidance to CDM 2015?

Design Risk Management is only for Designers, isn't it?

Who else under CDM had a part to play in the following video!



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What is CDM and how does it relate to temporary works design?

Firstly lets think HSWA –

Summing it all up in a sentence as –

Look at what the risks are and take sensible (reasonable) measures to tackle them

Reasonable is still a word some people struggle with but I feel regulations and subsequent BS documents, codes of practice, guidance notes, manufacturers instructions are all considered reasonable actions in the eyes of the law

So lets look at CDM 2015

CDM Regulations 2015

CDM 2015 places legal duties on virtually **everyone** involved in construction work

It does not replace or restrict Design Risk management – but it is an important part!

Regulation 8 focuses on:

➤ Competence with skill knowledge and experience:

Designers and contractors appointed on a project must have the skills, knowledge and experience

➤ Cooperation:

With others, to enable performance of duty or function under regulations

CDM Reg 9: Duties of Designers

- Eliminate hazards which may give rise to risks
- Reduce risks from any remaining hazards
- Provide sufficient information ... as will adequately assist ... to comply with their duties under these regulations

CDM Reg 15: Duties of Contractors

- Plan, manage and monitor construction work ... carried out without risks to health and safety

CDM Reg 19: Stability of Structures

CDM Reg 20: Demolition or Dismantling

Parts to play in design risk management

Role under CDM	Actions to fulfil duties under CDM
Client	Appoint competent designers Allow appropriate time Appoint competent contractors Appoint an active Principal Designer
Principal Designer	Plan, manage, monitor and coordinate health and safety in the pre-construction phase of a project. This includes: identifying, eliminating or controlling foreseeable risks; ensuring designers carry out their duties. The principal designer must take into account the general principles of prevention In fulfilling the duties in paragraph (1), the principal designer must ensure all designers comply with their duties in regulation 9.

Role under CDM	Actions to fulfil duties under CDM
Permanent Works Designer	<p>A designer must take account of pre-construction information the client or principal designer provides when making decisions about the extent to which they can eliminate foreseeable risks through the designs they produce; and, where these risks cannot be eliminated, the steps they take to reduce or control them.</p> <p>Carry out a risk assessment before and during the design process</p>
Principal Contractor	<ol style="list-style-type: none"> 1) The principal contractor must plan, manage and monitor the construction phase and coordinate matters relating to health and safety during the construction phase to ensure that, so far as is reasonably practicable, construction work is carried out without risks to health or safety; (2) In fulfilling the duties in paragraph (1), and in particular when— <ol style="list-style-type: none"> (a) design, technical and organisational aspects are being decided in order to plan the various items or stages of work which are to take place simultaneously or in succession

Role under CDM	Actions to fulfil duties under CDM
Temporary Works Designer	The same as any designer as they are all the same under CDM Follow principles of BS5975 Utilise industry design codes and guidance Specific and appropriate training to develop competency in the field of temporary works design

The general principles of prevention are to:

- (a) avoid risks;
- (b) evaluate the risks which cannot be avoided;
- (c) combat the risks at source;

Some current industry concerns as I see them

Contractors are often left having to resolve safety issues that designers could have designed out

Temporary works designers are often the ones trying to make safe designs in ridiculously short timescales

Permanent works designers (mostly) do still not action as per the intended purpose of CDM and their role within it.

Principal Designer role intention is good but still not being actioned accordingly or appropriately – Should the PD be a designer or design background? – What is competence and understanding with regards to Temporary Works?

So how does the TWf help with CDM and Design Risk Management

We offer a community where sharing and asking advice is encouraged

We provide resources and guidance for others to create their own policies and procedures

We endorse the CITB temporary works training courses

We part funds the Centre of Excellence at London City University, which in turn runs a MSC in Temporary Works and Construction Method Engineering

We actively encourage best practice sharing

We do not take responsibility away from others but facilitate them to perform their duties



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