

 Temporary Works forum
Promoting best practice in the construction industry

Temporary Works Forum (TWf)

Highways England Principal Designer Working Group a TWf Update


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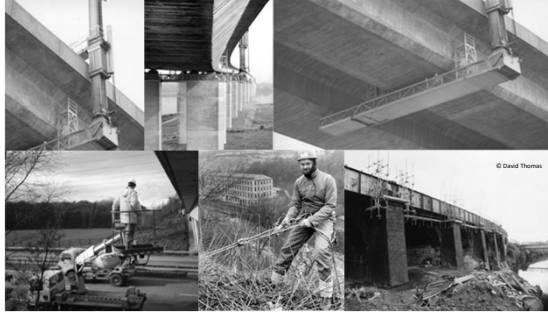
TWf: An industry-wide independent group established with the aim of raising standards and providing an authoritative voice in the field of temporary works

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Agenda

- Evaluation of the role of the PD (HSE)
- CONIAN 'Managing Risk Well' Working Group
- Guidance and /or Checklist for Clients
- SSIP and PAS91
- HSE BIM4H&S Task Group
- TWf Yearbook 2021/22
- Flex 8670
- Rebar Working Group (WG2)
- Low Carbon, Recovery from Disaster & SPMTs

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HSE's PD Evaluation

- **Q1 Key successes?**
 - Difficult to discern
 - Failed role
 - *like the PS and CDM-C beforehand*
 - PDs 'detached' and 'one step removed'
 - Better on larger jobs with 'intelligent client'
 - Need well-defined scope of work
 - *especially in respect of temporary works design undertaken during the construction phase*

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- **Q2. Key barriers**
 - *from a temporary works perspective*
 - A lack of resource, e.g. fees
 - Tendering is a 'race to the bottom'. The role is under-valued by Clients.
 - Late formal appointment, lack of involvement and not knowing who makes up the temporary works supply chain
 - Some appear to lack sufficient design experience. Some are not 'designers'. (The role is onerous, and the breadth of knowledge required is wide-ranging.)
 - A lack of sufficient knowledge of temporary works and the construction process ('method')

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- Contractually, they are not 'empowered'.
 - *If a Client does not act on a PD's recommendations, for example to invest in additional surveys, then the role is ineffective*
- A failure to recognise that 'pre-construction' (in the form of temporary works design) continues throughout the construction phase
- The lack of early engagement in considering temporary works issues and the failure to recognise that reviewing 'constructability' periodically will reap dividends later on
- A lack of enforcement by the Health and Safety Executive (HSE) in respect of PDs (and Designers)
 - *NOTE: There is not thought to have been much activity attracting Fee for Intervention (FFI)*

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- **Q4. Authorised and empowered?**
 - Generally, no. They lack authority.
 - *The appointment does not sit easily alongside the contractual frameworks used within the construction industry, most of which have their roots pre-CDM1994*
 - If the PD is not given authority by the Client to control a budget, they are effectively superfluous.
 - *Any key decisions need otherwise to be routed via the Client (who sits at the apex of all of the various contractual arrangements in place for a construction project)*

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- **What do?**
 - The ‘functions’ of the PD would sit more comfortably within existing design team(s), e.g. with a lead designer.
 - However, how a “lead designer” might be defined legally is unclear
 - Is it the “lead discipline” (and, if so, at what stage of the project)?
 - or, does each discipline have a “lead designer”?
 - Within a project, for example, there may be several temporary works designers
 - They need to work together
 - One of them should be the “lead designer” and responsible for considering any interfaces and ensuring an holistic approach to the design

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CONIAN MRW WG

- CONIAC – to advise the CLC on health and safety issues
- Construction Industry Advisory Network (CONIAN)
 - ‘Managing Risk Well’ Working Group
 - Safety Steps
 - Hosted by the AIF
 - <https://accessindustryforum.org.uk/guidance/safety-steps/>
 - Construction Fire Safety: Responsibility & Competence Matrix
 - Hosted by the Construction Health & Safety Group
 - <https://www.chsg.co.uk/construction-fire-safety/>
 - Temporary works ... **THOUGHTS?**

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Client Guidance/Checklist

Suggestions for further guidance:


- The benefits of ‘early contractor involvement’
- Client expectations of the supply chain (in respect of temporary works)
 - *a checklist on what to look for in a Tier 1, Tier 2, etc.*
- A short article to raise awareness of the important role of the Designated Individual (in different types of organisation)
- Assurance via audit: how far should the client go to check?
 - *‘things to look for’*
- Article: Temporary works awareness for clients
 - *importance of temporary works, expectations, guidance, etc.*
- Implementation risk class
 - *the sharing of different approaches to this issue (BS 5975: 2019, Table 1)*

• **THOUGHTS? CAN YOU HELP?**

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SSIP and PAS91

- **Flying a kite ...**
 - SSIP: Do you use it?
 - Does it help in respect of “temporary works”?
 - If not, how do you demonstrate competence with respect to temporary works?
 - Should PAS91:
 - include specific questions about temporary works?
 - have a standalone temporary works module (optional)?
 - Should the be a standard for the management of temporary works akin to ISO 9001, etc.?

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HSE BIM4H&S Task Group


- To include ‘temporary works’
- HSE, Gordon Crick
 - Focus has been on PAS 1192-6: 2018
 - PAS now entering a phase of conversion to ISO; will take up to 3 years
- Development of Project Information Requirements (PIRs) as prescribed in ISO 19650-1 to:
 - assist good project management
 - compliance with CDM, for health and safety
- “Big 6” design risk topics:
 - general requirements, asbestos, structural safety, fire safety, lifting operations and temporary works
- TWf WG15
 - **WHAT ARE YOUR ISSUES WITH BIM AND TW?**

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TWf Yearbook 2021/22



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- Available as an eBook
<https://7764074f.flowpaper.com/TWFCroppedReduced/>
- Hard copy to follow
 - Email me if you'd like a copy (secretary@twforum.org.uk)
- Contains
 - News updates
 - Articles
 - Advertorials
 - Directory
- List of TWf Guidance (**TW21.043**)
<https://www.twforum.org.uk/viewdocument/twf-guidance-collated-list>

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Flex 8670



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- Built environment – Overarching framework for competence of individuals – **Specification**
<https://www.bsigroup.com/en-GB/industries-and-sectors/construction-and-the-built-environment/built-environment-competence-standards/>
 - Industry-led programme sponsored by MHCLG:
 - an overarching competence framework standard for everyone working on a building
 - a set of competence requirements for the three newly-regulated roles: Principal Designer, Principal Contractor and Building Safety Manager
- Built environment – Core criteria for building safety in competence frameworks – **Code of practice**
 - relates to individual competence and not organisational
 - aimed at “framework owners”

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Rebar Working Group



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Temporary condition of reinforcement cages prior to concreting:

- Part 1, Management Guidance – Published
- Part 2, Technical Guidance – Work in progress
- **Can you help?**
 - Rebar photos – good and bad practice
 - Case studies – good and bad (can be anonymised!)
 - Tie-testing: what do you undertake?
 - *Test method(s) and written methodology (specification)*
 - *Joint capacity – what assumed (kN)?*
- Targeting publication in late Autumn 2021


<https://www.twforum.org.uk/blogs/david-thomas/2020/11/06/rebar-stability-management-guidance>

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New topics



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- Working groups for members to prepare some TWf Guidance:
 - Low Carbon
 - Recovery from Disaster
 - SPMTs
- **Input welcome ...** secretary@twforum.org.uk

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