Principal Designer Working Group
Event No 27

Health and Safety Files Digital Development
Mark Lamport, Arcadis

19th May 2022

Task and Finish Group Meetings

- Task and Finish Group Kick-off Meeting held on 18/1/2022
- Next meeting to be held on 7/6/2022

Task and Finish Group Team

Mark Lamport – Arcadis
Doug Potter – Arcadis
Toria Thomas - Arup
Natalie Mansell - Atkins
Tim Bowes – Atkins
Rob Butcher – Jacobs
Richard Wilson – National Highways, PDWG Chair and T&F Group Sponsor
Jason Glasson - National Highways, Head of Asset Management
Kevin Clague - National Highways, Asset Needs Manager - Operations NW
Darren Allen – Telent
Jon Horrill – WSP
David Owens – WSP

Task and Finish Group Terms of Reference, Objectives and Tasks

Reviewed with Richard Wilson on 17/5/2022:

- The T&F Group will move forward on the **assumption** that the various National Highways actions needed to align PCF and National Highways Business Collaborator (BC) with the new CDM Standard and Health & Safety File template will have been undertaken.

- This T&F Group will look specifically at Health and Safety Files Digital Development and how the transition can be made from the current document-based Health and Safety Files to a digital platform.

Task and Finish Group Sub-Tasks

Sub-Task 1

Establish which other National Highways group(s) are working on H&S File digitalisation and liaise with them to avoid duplication.

Sub-Task 2

Establish what progress consultant organisations who are members of PDWG have already made with respect to Health & Safety File digitalisation.

Sub-Task 3

Establish end-user requirements – clients, operators, maintainers, designers (of future modifications and upgrades), decommissioners/demolishers.

Task and Finish Group Sub-Tasks

Sub-Task 4

Identify which of the National Highways H&S File content requirements set out in the H&S File PCF product guidance can be presented in digital form. Is this all or some of the content?

Sub-Task 5

Produce a draft process map – to help ensure consistent approach and format of data and risk tagging for point, linear and areal hazards (including shape, size and colour of hazard symbols [?triangles, polygons] and fields within the associated tagged data set).

Task and Finish Group Sub-Tasks

Sub-Task 6

Identify any specific requirements of the National Highways 5 Year Digital Transformation Plan and Digital Roads document which would be relevant to H&S File digitalisation.

Sub-Task 7

Produce Outputs and Deliverables

Task and Finish Group Outputs & Deliverables

Ultimate objective - to produce a "Best Practice Guide for Health and Safety File Digitalisation" - but this is a significant piece of work and probably beyond the reasonable scope of this T&F Group. A more realistic deliverable could perhaps be a report which covers:

- Summary of current situation on H&S File digitalisation – where are we now, what are National Highways and supply chain organisations currently doing? How this links into PCF and 3D processes?

- What is working well/what needs to be improved?

- What are the blockers eg interface/incompatibility issues between MP and OD, progress of OD adoption of digital, software limitations (eg can the existing software available in the marketplace be used to present H&S File content in digital form?)

- What are the future-proofing considerations – the digital H&S File information must be retrievable and readable in 50+ years?

- A proposed roadmap for the transition to digital of National Highways Health and Safety Files

Alignment with BIM4 Working Group

"Sharing Data, Saving Lives" Report recently published:

"This Report explores the potential that sharing design risk data can have in reducing the levels of risk and uncertainty encountered on the construction site. The Sharing Data Saving Lives project has explored some key practical issues around how data can be shared, and what are the blockers and enablers, incentives and disincentives that prevent this happening."

Quote from the BIM4 Working Group meeting on 12/4/2022:

"Data sharing frequently falls down at the practical level"