Test Project

Digital Construction

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# Introduction

Digital Construction using Building Information Modelling (BIM) is a process for creating and managing information on a construction project across the project lifecycle. One of the key outputs of this process is the digital Building Information Model, the digital description of every aspect of the built asset. This digital model draws on information assembled collaboratively and updated at key stages of a project. Creating a digital Building Information Model enables those who interact with the building to optimize their actions, resulting in a more excellent whole life value for the asset.

# Description of project and tasks

The Test Project is a series of nine (9) standalone modules.

Skills that may be tested in the different modules could cover:

* Project Setup;
* Modelling and Collaboration;
* Model Coordination;
* Corrective Modelling;
* Asset Information:
* Documentation and File Export;
* Data Analytics and Automation / Quality Control;
* Scheduling and Quantities;
* Site Execution.

A combination of the above skills is allowed in each module, but different competencies must be tested in each module.

# Instructions to the Competitor

The Competitor will be provided with a full set of detailed instructions covering the four days of competition.

# Equipment, machinery, installations, and materials required

It is expected that all Test Projects can be done by Competitors based on the equipment and materials specified in the Infrastructure List\*.

All necessary equipment is being provided by the French Infrastructure Team.

# Marking Scheme

The Marking Scheme has been approved by the Skills Advisor and has been entered into the CIS database.

