Gathering21

Construction Innovations
for Future Generations

CitA

Day Two

Wednesday 22nd September 2021

Grangegorman
Development Agency
Gníomhaireacht Forbartha
Ghráinseach Ghormáin

Exchange Information Requirements and BIM Execution Plans according to ISO 19650, *explaining CEN/TR 17654:2021*

CEN/TR 17654:2021

‘Guideline for the implementation of Exchange Information Requirements (EIR) and BIM Execution Plans (BEP) on European level based on EN ISO 19650-1 and -2’

00GG-GDA-XX-CITA-PP-K-XX-20210921-CENTR17654 IR-R01

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Information Manager using BIM at Grangegorman Development Agency

Grangegorman Development Agency

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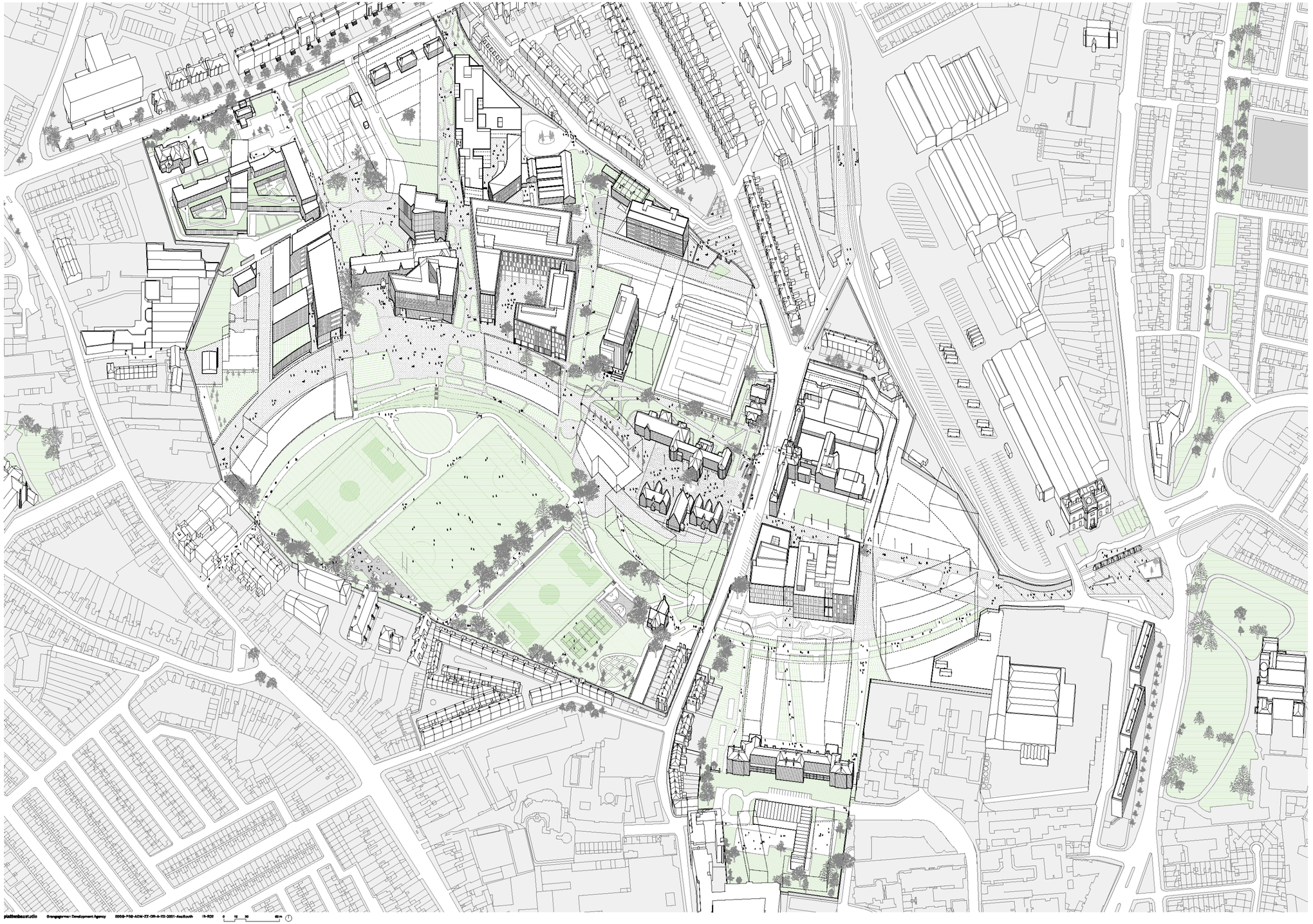
- GDA since 2016
- Information Manager since 2012
- 3D information author since 2009
- construction industry since 1995

- CEN/TR 17654:2021 Co Aauthor
- LCi Public Sector, Task Force lead
- NSAI Building Information Modelling, Committee member
- Public BIM, Co founder

Grangegorman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Our Mission

The GDA’s mission is to transform Grangegorman into a vibrant community that encompasses a world class, integrated and inclusive education, health, and community campus. This will be achieved by delivering a built environment that is in keeping with the Grangegorman Masterplan Vision.

Our Vision

The Agency’s vision is to be locally and internationally recognised as an exemplar of community urban regeneration, focused on education and health.

Our Values

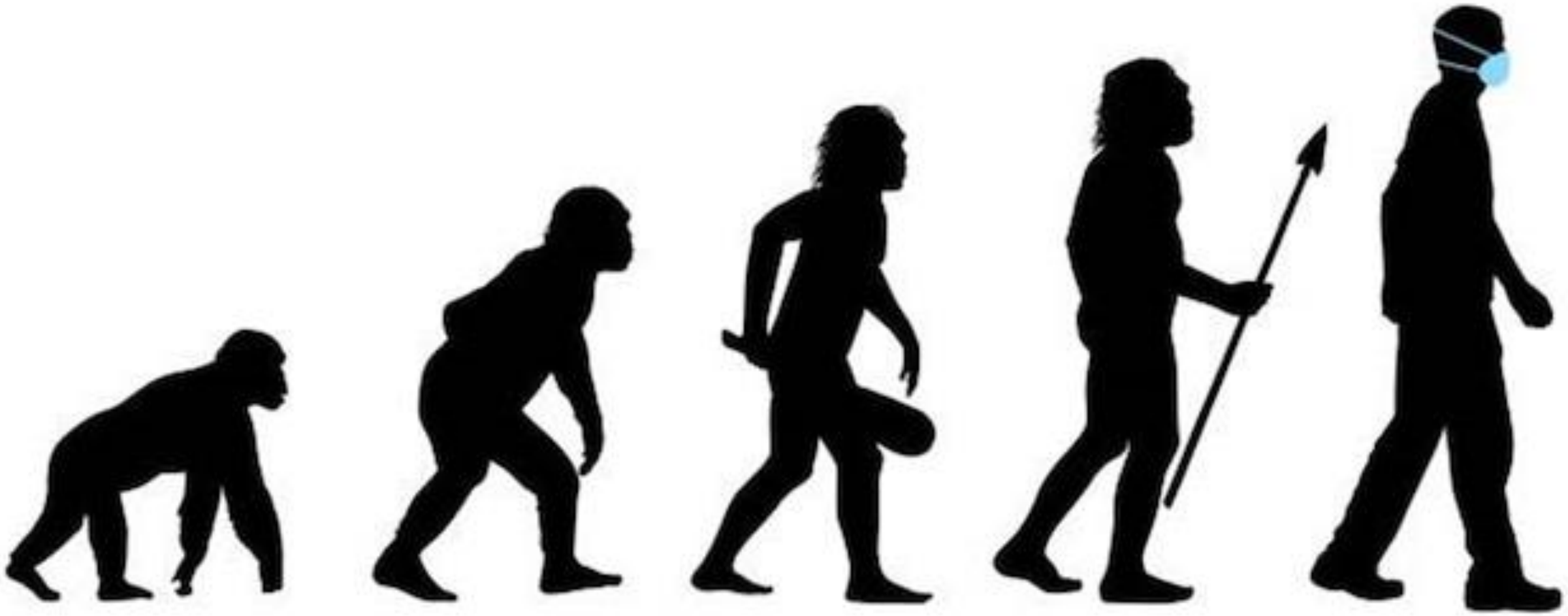
- Collaboration
- Delivery focussed
- Design quality
- Integrity
- Sustainability

1. Explaining to People CEN/TR 17654:2021

2. GDA's approach to implementation the Technical Report so People can work together better at Grangegorman (Information Management Plan)

‘EIRs and BEPs are templated beyond use’

David Churcher MBE



What does Technical Report looks like...

What’s in the Technical Report

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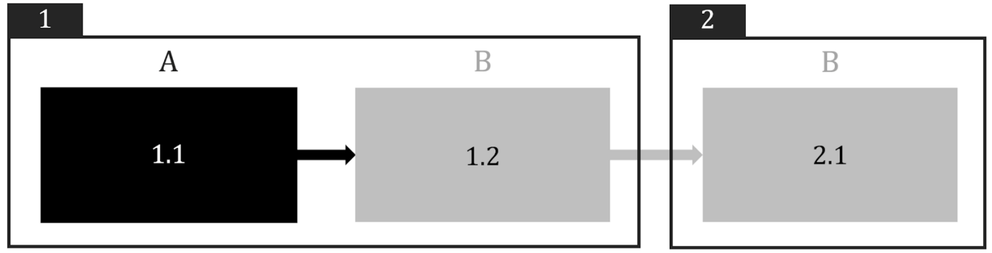
invitation to tender, EIR

tender response, pre-appointment BEP

appointment, BEP

Annexes



Key

1	tendering process – pre-appointment
1.1	invitation to tender, EIR, guidance in Clause 5
1.2	tender response, pre-appointment BEP, guidance in Clause 6
2	appointment
2.1	appointment, BEP, guidance in Clause 7
A	appointing party
B	lead appointed party

EIR - Schedule of information required for decision making

BS EN ISO 19650-2:2018
ISO 19650-2:2018

5.2 Information management process — Invitation to tender

5.2.1 Establish the appointing party's exchange information requirements

The appointing party shall establish their exchange information requirements to be met by the prospective lead appointed party during the appointment.

In doing this, the appointing party shall:

a) establish the appointing party's information requirements to be served during the appointment, and in doing so shall consider their:

- organizational information requirements,
- asset information requirements, and
- project information requirements;

b) establish the level of information need required to meet each information requirement;

NOTE Other metrics to describe the status of information, such as level of accuracy, can be added to these metrics as considered appropriate.

c) establish the acceptance criteria for each information requirement, and in doing so shall consider:

- the project's information standard,
- the project's information production methods and procedures, and
- the use of reference information or shared resources provided by the appointing party;

d) establish the supporting information that the prospective lead appointed party might need, to fully understand or evaluate each information requirement or its acceptance criteria, and in doing so shall consider:

- existing asset information,
- shared resources,
- supporting documents or guidance material,
- references to relevant international, national or industry standards, and
- exemplars of similar information deliverables;

e) establish the dates, relative to the project's information delivery milestones and appointing party's key decision points, that each requirement has to be met, and in doing so shall consider:

- the time needed by the appointing party to review and accept information, and
- the appointing party's internal assurance processes.

CEN/TR 17654:2021 (E)

5	Exchange information requirements (EIR)
5.1	General
5.2	Information requirements
5.3	Level of information need
5.4	Acceptance criteria
5.4.1	General
5.4.2	Project's information standard
5.4.3	Project's information production methods and procedures
5.4.4	Project's reference information and shared resources
5.5	Supporting information
5.6	Project's information delivery milestones

BEP - Methodology for the production, management and use of information

BS EN ISO 19650-2:2018
ISO 19650-2:2018

5.3.2 Establish the delivery team's (pre-appointment) BIM execution plan

The prospective lead appointed party shall establish the delivery team's (pre-appointment) BIM execution plan, to be included within the prospective lead appointed party's tender response.

In doing this, the prospective lead appointed party shall consider:

a) the proposed names and professional résumés of the individuals who will undertake the information management function on behalf of the delivery team;

b) the delivery team's information delivery strategy, containing:

- the delivery team's approach to meeting the appointing party's exchange information requirements,
- a set of objectives/goals for the collaborative production of information,
- an overview of the delivery team's organizational structure and commercial relationships, and
- an overview of the delivery team's composition, in the form of one or more task teams;

c) the proposed federation strategy to be adopted by the delivery team;

d) the delivery team's high-level responsibility matrix, containing the allocated responsibility for each element of the information model and the key deliverables associated to each element;

e) any proposed additions or amendments to the project's information production methods and procedures that the delivery team require to facilitate the effective:

- capture of existing asset information,
- generation, review, approval and authorization of information,
- security and distribution of information, and
- delivery of information to the appointing party;

f) any proposed additions or amendments to the project's information standard that the delivery team require to facilitate the effective:

- exchange of information between task teams,
- distribution of information to external parties, or
- delivery of information to the appointing party;

g) a proposed schedule of software (including versions), hardware and IT infrastructure the delivery team intend to adopt.

CEN/TR 17654:2021 (E)

6	(Pre-appointment) BIM execution plan
6.1	General
6.2	Information management function
6.3	Information delivery strategy
6.3.1	General
6.3.2	Delivery team's approach and objectives/goals
6.3.3	Delivery team's organizational structure and commercial relationships, and composition of task teams
6.4	Federation strategy
6.5	High-level responsibility matrix
6.6	Project's information production methods and procedures
6.7	Project's information standard
6.8	Schedule of software, hardware and IT infrastructure

Structure of guidance text

The five paragraphs format;

1. Plain language explanation of what the concept is.
2. Explain the concepts value adding.
3. How to complete the template in order to comply with the minimum requirement in ISO 19650-2.
4. Examples with explanatory text of what the information can be.
5. Further considerations. What can be provided in extension to the minimum required information.

5.4.2 Project's information standard

The project's information standard describes project-specific criteria to support the consistency and exchange of information required for the project. When establishing the project's information standard, the following should be considered: Requirements to level of information need, the use of open BIM standards, the means of structuring and classifying information, information formats needed for further use of information in later project phases and for asset operation etc.

These considerations ensure that meaningful, reliable and consistent data are provided by the project. This information is the basis for informed decision-making.

They should prescribe what is required for information exchanges, how information is structured and classified, how to assess if the information is to the correct level of information need, and how the information will be used in operation, including who will be using the information if this is known. The project's information standard should not specify the methodology for the production of project's information. All information should conform to the project's information standard before changing status in the CDE.

EXAMPLE Acceptance criteria can be stated in the EIR or reference by URL to the documentation that defined the criteria. *LinearUnits: Millimetres, AreaUnits: Squaremetres, VolumeUnits: Cubicmetres, CurrencyUnit: Euros; URL link [Project Standard Units]*

For more information, refer to EN ISO 19650-1:2018, 11.3. Information quality and for a recommended practice for model, object naming and user-defined properties as part of appointing party's project's information standard see Annex D.

The Annexes

Annex A (informative) EIR and BEP summaries and templates supporting EN ISO 19650 2:2018

Table

Starting point

Annex B (informative) Project examples

Document (A4)

Spreadsheet

Diagram

Relational database (no example provided).

Annex C (informative) Information delivery planning

Detailed responsibility matrix

Task information delivery plan

Master information delivery plan

Simple example - spreadsheet

Medium complex example - Gantt chart and schedule

Complex example - database

Annex D (informative) Recommended practice for project's information standard

Examples of project's information standard

Scope: What's on and out

	Invitation to tender EIR	Tender response pre-appointment BEP	Appointment BEP
In scope	5.2.1 Appointing party's exchange information requirements a) information requirement b) level of information need c) acceptance criteria d) supporting information e) information delivery dates	5.3.2 Delivery team's (pre-appointment) BIM execution plan a) information management functions b) information delivery strategy c) federation strategy d) high-level responsibility matrix e) project's information production methods and procedures f) project's information standard g) schedule of software	5.4.1 Confirm the delivery team's BIM execution plan 5.4.3 lead appointed party's exchange information requirements
Out of scope	5.2.4 Invitation to tender information – the relevant reference information and shared resources (within the project's common data environment) – the tender response requirements and evaluation criteria (if applicable) – the project's information standard and (within the project's common data environment) – the project's information production methods and procedure (within the project's common data environment) – the project's information protocol	5.3.7 The delivery team's tender response – capability and capacity assessment summary – mobilization plan – information delivery risk assessment	5.4.6 Lead appointed party's appointment documents 5.4.7 Appointed party's appointment documents
Out of scope although included in Annexes	5.1.4 Project's information standard examples in Annex D in this document		5.4.2 Delivery team's detailed responsibility matrix 5.4.4 Task information delivery plan(s) 5.4.5 Master information delivery plan

Scope of documentation covered in this document according to EN ISO 19650-2:2018 clause reference

What we had to deliver

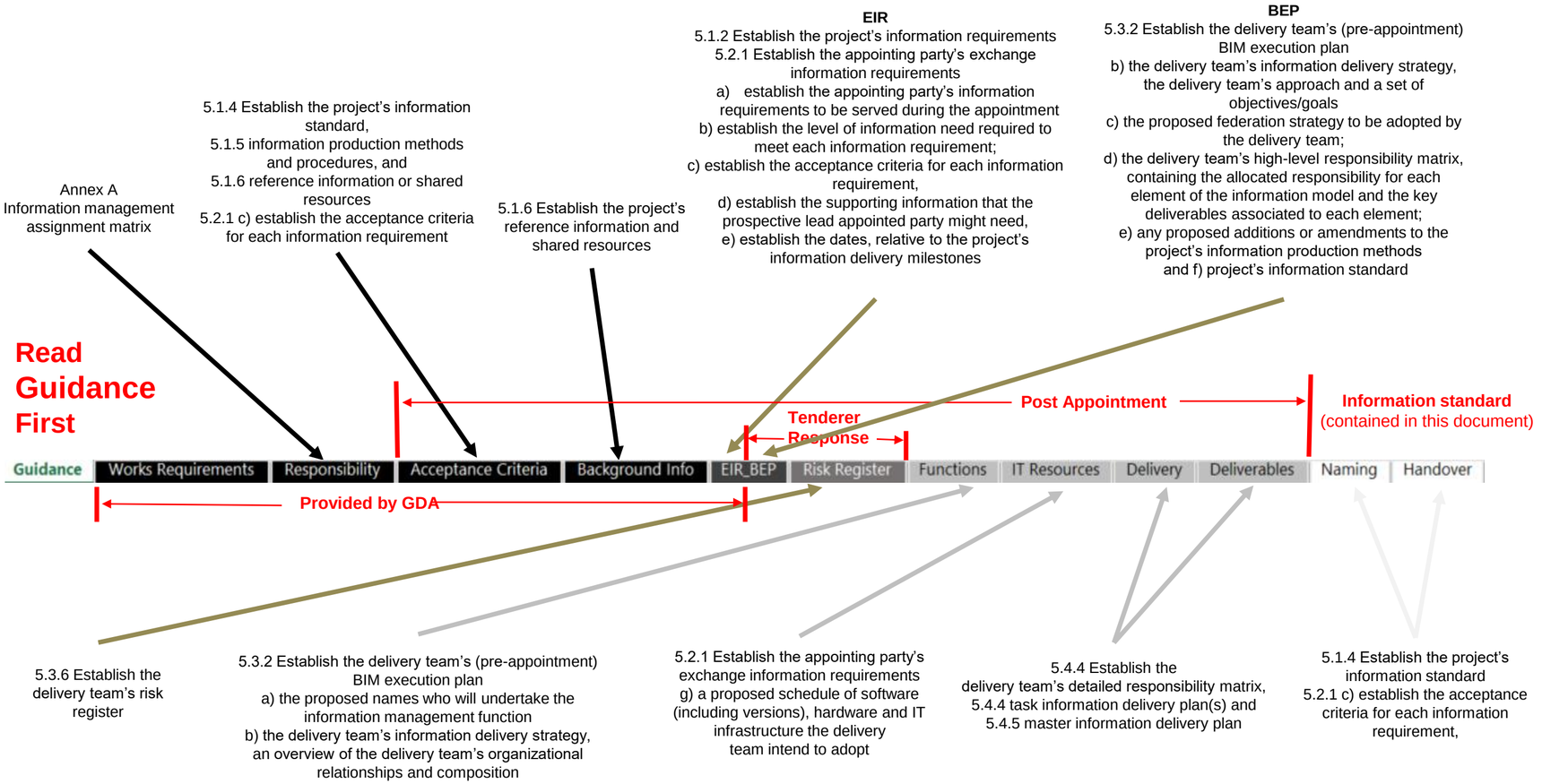
What we thought we should deliver

What we delivered

What we should have delivered

How this looks in a project…

Information Management Plan – Accordance to ISO 19650



Introduction:

GDA developed the 'Information Management Plan' as a tool for managing information within the project in accordance with ISO 19650-2.

This plan gathers together all elements of ISO 19650-2 on the production and management in a single Excel workbook, as a single place for the delivery team (design team/works contractor) and GDA to work together.

The plan is a record of relevant information and the agreed responsibility and procedure for the specific project and should be the 'goto' document to understand all Information Management elements of the project. It should be considered a 'live' document that shall be updated by the delivery team during the stages in particular the deliverables schedule and risk register.

Grangegorman Campus
IPMP – Information Management Plan – Guidance

Issued 23/10/2020 By: Robert.moore@GGDA.ie
00GG-GDA-IM-XX-PC-K-XX-5002
InformationManagementPlanGuidance
S2-P02

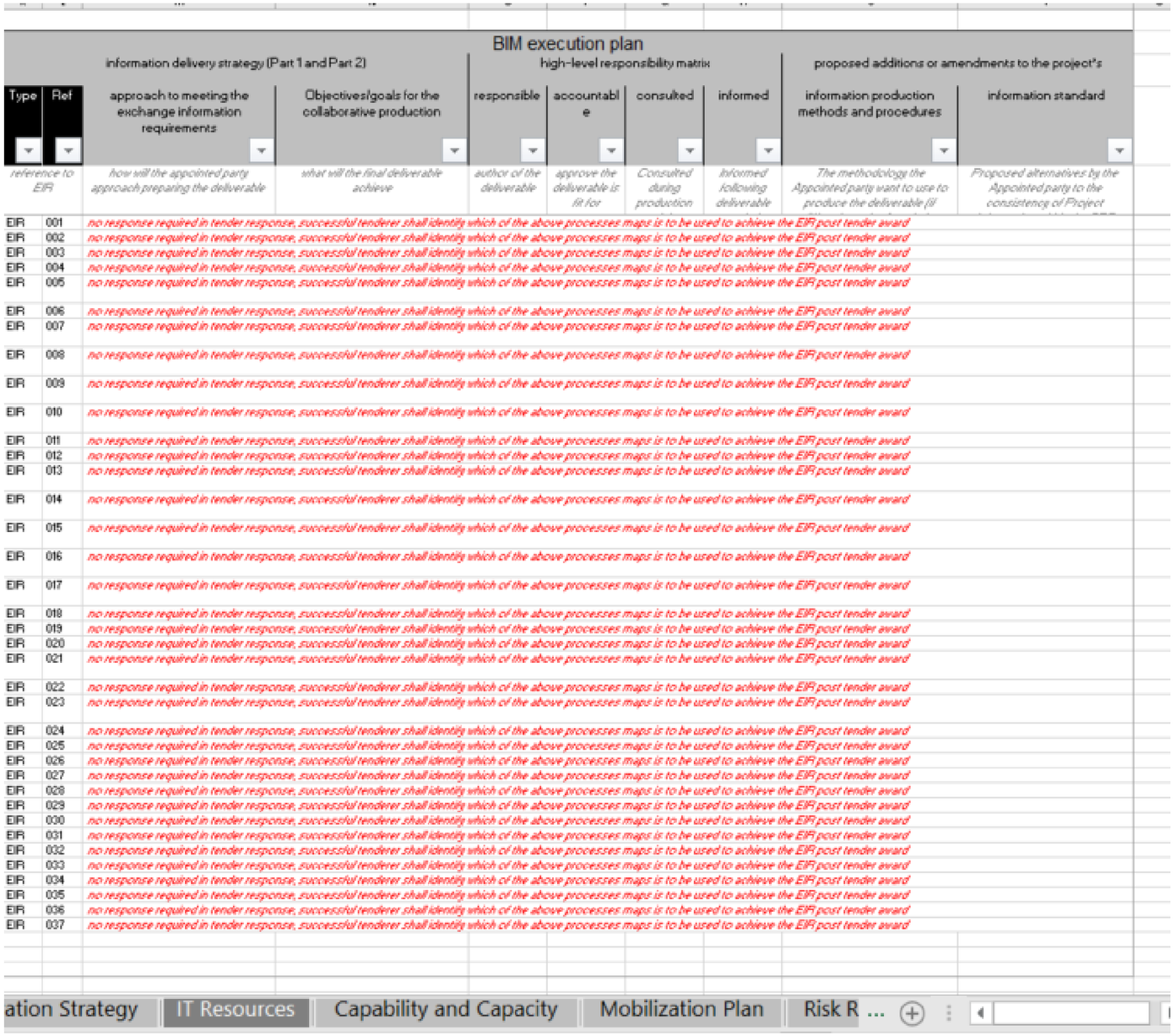
EIR - Schedule of information required for decision making

Exchange Information Requirements/BIM Execution Plan

Exchange Information Requirements/BIM Execution Plan								
information requirements			level of information need		acceptance criteria	supporting information	exchange date or frequency
Type	Ref	Description	Document	Sections	project's information standard, project's information production methods and procedures, and referen information or shared	existing asset information, shared resources, supporting documents or guidance material, references to relevant international, national or industry standards, and exemplars similar information deliverables	
Tracking Number		*Why and what is the information needed?*	*What is the minimum amount of information needed for the appointing party to accept the requirements?*		*What conditions should be used to check the information deliverable in relation to*	*What supporting material is needed to produce the information?*	*When the information is needed?*
EIR	001	Information Management Plan (update)	ITT Prelims	ISO 19650-2 5.4	Acceptance Criteria	Supporting information	per programme
EIR	002	Site Specific Project Health & Safety Plan	ITT Prelims/GDA Reqs of Construction Doc Sect 3.3.2		Acceptance Criteria	Supporting information	per programme
EIR	003	Health & Safety AF1 Form (copy of AF2 which is submitted by the contractor)	HSA/ITT Prelims/GDA Reqs of Construction Doc Sect 3.3.2	Start on site date, contractor details	Acceptance Criteria	Supporting information	per programme
EIR	004	Contractor Emergency Contact Details	GDA Reqs of Construction Doc Sect 3.3.2 Safety Statement		Acceptance Criteria	Supporting information	per programme
EIR	005	Resource Allocation Schedule (weekly labour records)	PW-CF1	Cl 4.10.2.3 + Cl 5.7	Acceptance Criteria	Supporting information	per programme
EIR	006	Cash Flow Projection	ER Report + ITT Prelims	PW-CF1 (Cl 4.10.12)	Acceptance Criteria	Supporting information	per programme
EIR	007	Updated Project Completion Programme	PW-CF1 and ITT Prelims	CL 4.9	Acceptance Criteria	Supporting information	per programme
EIR	008	Monthly Progress Applications (What are these - Valuation Claims?)	PW-CF1	Cl 11.1	Acceptance Criteria	Supporting information	per programme
EIR	009	RDD Submittals	PW-CF1	CL 4.10	Acceptance Criteria	Supporting information	per programme
EIR	010	Value Engineering Proposals	PW-CF1	CL 4.8	Acceptance Criteria	Supporting information	per programme
EIR	011	Weekly Dust & Noise Reports	ITT Prelims/PP Conditions(Noise only) Req Construction Plan	Sect 4.2.7 GDA Req for Const	Acceptance Criteria	Supporting information	per programme
EIR	012	GDA Employment Charter Weekly Reports	ITT/Vol A or B?/ER Report		Acceptance Criteria	Supporting information	per programme
EIR	013	Weekly Contractor Progress Reports (monthly in PWCs)	PW-CF1	CL 4.10	Acceptance Criteria	Supporting information	per programme
EIR	014	Construction Contract RFI Schedule	PW-CF1	Cl.4.1 + Cl 4.10.1+ 4.14.2	Acceptance Criteria	Supporting information	per programme
EIR	015	Plant & material Procurement Schedules	PW-CF1	CL 4.10.2.3	Acceptance Criteria	Supporting information	per programme
EIR	016	Subcontractor Procurement Schedule	PW-CF1	CL 4.10.2.2	Acceptance Criteria	Supporting information	per programme
EIR	017	Vesting Certificates	PW-CF1	Cl.11.2	Acceptance Criteria	Supporting information	per programme
EIR	018	Risk Assessment/Method Statements (RAMS) is this for works outside of the site?	GDA Requirements of Construction Doc	Section X	Acceptance Criteria	Supporting information	per programme
EIR	019	SIPR Duct Applications	GDA Requirements of Construction Doc	Section X	Acceptance Criteria	Supporting information	per programme
EIR	020	Project Photographic Record	PW-CF1 and Prelims	CL 4.10	Acceptance Criteria	Supporting information	per programme
EIR	021	Schedule of Commissioning	PW-CF1	CL 4.10.2.10	Acceptance Criteria	Supporting information	per programme
EIR	022	Schedule of Building User Training (for TU Dublin Estates)	ITT Prelims	Handover Procedures	Acceptance Criteria	Supporting information	per programme
EIR	023	Construction Contract Final Account (what about the final statement to release penultimate cert)	PW-CF1	Cl 11.5	Acceptance Criteria	Supporting information	per programme
EIR	024	BC(a)R Inspection Plan	BC(a)R /PW-CF1 to CF6	BC(a)R Code of Practice / CL 8.3	Acceptance Criteria	Supporting information	per programme
EIR	025	Commencement Notice	BC(a)R	BC(a)R Practice Notes	Acceptance Criteria	Supporting information	per programme
EIR	026	Final Statement	PW-CF1, CF2, CF3, CF4, CF5 + CF 6	Cl 11.5	Acceptance Criteria	Supporting information	per programme
EIR	027	Penultimate Certificate	PW-CF1	Cl 11.5	Acceptance Criteria	Supporting information	per programme
EIR	028	Contractor H+ Safety Statement	Letter of Intent; Conditions Precedent		Acceptance Criteria	Supporting information	per programme
EIR	029	H+S Accident Reporting	GDA Requirements of Construction Doc/ER Report	Reqs of Constr Sect 3.18 /CL 4.10	Acceptance Criteria	Supporting information	per programme
EIR	030	PI Insurance (also Condition Precedent Letter of Intent)	PW-CF1 (FTS-1+ FTS 5)	Cl 3.3	Acceptance Criteria	Supporting information	per programme
EIR	031	PL Insurance (also Condition Precedent Letter of Intent)	PW-CF1 (FTS-1+ FTS 6)	Cl 3.6	Acceptance Criteria	Supporting information	per programme
EIR	032	EL Insurance (also Condition Precedent Letter of Intent)	PW-CF1 (FTS-1+ FTS 6)	CL 3.5	Acceptance Criteria	Supporting information	per programme
EIR	033	Tax Clearance Certificate (Condition Precedent Letter of Intent)	Letter of Intent; Conditions Precedent		Acceptance Criteria	Supporting information	per programme
EIR	034	Weather Report	ITT Prelims		Acceptance Criteria	Supporting information	per programme
EIR	035	Construction Management Plan includes typically: (as required)	GDA Requirements of Construction Doc (Appendix E)	Sect 4.0 GDA Req for Const	Acceptance Criteria	Supporting information	per programme
EIR	036	Conditions Precedent to a Contractor's Commencement on Site	GDA Requirements of Construction Doc	Section 3.3.2 GDA Req for Constr	Acceptance Criteria	Supporting information	per programme
EIR	037	Project Handover Documents as GDA Requirements (handover TAB)	ITT Prelims		Acceptance Criteria	Supporting information	per programme

Guidance | Exisitng Information | ITT | Responsibility | Services EIR_BEP | Works EIR_BEP | Supporting information | Acceptance Criteria | Functions | Feder

BEP - Methodology for the production, management and use of information



BIM execution plan

		information delivery strategy (Part 1 and Part 2)		high-level responsibility matrix				proposed additions or amendments to the project's	
Type	Ref	approach to meeting the exchange information requirements	Objectives/goals for the collaborative production	responsible	accountable	consulted	informed	information production methods and procedures	information standard
reference to EIR		*how will the appointed party approach preparing the deliverable*	*what will the final deliverable achieve*	*author of the deliverable*	*approve the deliverable is fit for*	*Consulted during production*	*Informed following deliverable*	*The methodology the Appointed party want to use to produce the deliverable (if*	*Proposed alternatives by the Appointed party to the consistency of Project*
EIR	001	*no response required in tender response, successful tenderer shall identify which of the above processes maps is to be used to achieve the EIR post tender award*							
EIR	002	*no response required in tender response, successful tenderer shall identify which of the above processes maps is to be used to achieve the EIR post tender award*							
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ation Strategy | IT Resources | Capability and Capacity | Mobilization Plan | Risk R ...

EIR/BEP Approach

Exchange Information Requirements/BIM Execution Plan

Exchange Information Requirements/BIM Execution Plan									BIM execution plan								
information requirements		level of information need			acceptance criteria	supporting information	exchange date or frequency			information delivery strategy (Part 1 and Part 2)		high-level responsibility matrix				proposed additions or amendments to the project's	
Type	Ref	Description	Document	Sections	project's information standard, project's information production methods and procedures, and referen information or shared	existing asset information, shared resources, supporting documents or guidance material, references to relevant international, national or industry standards, and exemplars similar information deliverables		Type	Ref	approach to meeting the exchange information requirements	Objectives/goals for the collaborative production	responsible	accountabl e	consulted	informed	information production methods and procedures	information standard
Tracking Number		*Why and what is the information needed?*	*What is the minimum amount of information needed for the appointing party to accept the requirements?*		*What conditions should be used to check the information deliverable in relation to*	*What supporting material is needed to produce the information?*	*When the information is needed?*	*reference to EIR*		*how will the appointed party approach preparing the deliverable*	*what will the final deliverable achieve*	*author of the deliverable*	*approve the deliverable is fit for*	*Consulted during production*	*Informed following deliverable*	*The methodology the Appointed party want to use to produce the deliverable (if*	*Proposed alternatives by the Appointed party to the consistency of Project*
EIR	001	Information Management Plan (update)	ITT Prelims	ISO 19650-2 5.4	Acceptance Criteria	Supporting information	per programme	EIR	001	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	002	Site Specific Project Health & Safety Plan	ITT Prelims/GDA Reqs of Construction Doc Sect 3.3.2		Acceptance Criteria	Supporting information	per programme	EIR	002	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	003	Health & Safety ARF 1 Form (copy of AF2 which is submitted by the contractor)	HSA/ITT Prelims/GDA Reqs of Construction Doc Sect 3.3.2	Start on site date, contractor details	Acceptance Criteria	Supporting information	per programme	EIR	003	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	004	Contractor Emergency Contact Details	GDA Reqs of Construction Doc Sect 3.3.2 Safety Statement		Acceptance Criteria	Supporting information	per programme	EIR	004	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	005	Resource Allocation Schedule (weekly labour records)	PW-CF1	Cl 4.10.2.3 • Cl 5.7	Acceptance Criteria	Supporting information	per programme	EIR	005	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	006	Cash Flow Projection	ER Report • ITT Prelims	PW-CF1 (Cl 4.10.12)	Acceptance Criteria	Supporting information	per programme	EIR	006	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	007	Updated Project Completion Programme	PW-CF1 and ITT Prelims	CL 4.9	Acceptance Criteria	Supporting information	per programme	EIR	007	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	008	Monthly Progress Applications (What are these - Valuation Claims?)	PW-CF1	Cl 11.1	Acceptance Criteria	Supporting information	per programme	EIR	008	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	009	RDD Submittals	PW-CF1	CL 4.10	Acceptance Criteria	Supporting information	per programme	EIR	009	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	010	Value Engineering Proposals	PW-CF1	CL 4.8	Acceptance Criteria	Supporting information	per programme	EIR	010	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	011	Weekly Dust & Noise Reports	ITT Prelims/PP Conditions(Noise only) Req Construction Plan	Sect 4.2.7 GDA Req for Const	Acceptance Criteria	Supporting information	per programme	EIR	011	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	012	GDA Employment Charter Weekly Reports	ITT/Vol A or B?/ER Report		Acceptance Criteria	Supporting information	per programme	EIR	012	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	013	Weekly Contractor Progress Reports (monthly in PVCs)	PW-CF1	CL 4.10	Acceptance Criteria	Supporting information	per programme	EIR	013	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	014	Construction Contract RFI Schedule	PW-CF1	Cl 4.1 • Cl 4.10.1• 4.14.2	Acceptance Criteria	Supporting information	per programme	EIR	014	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	015	Plant & material Procurement Schedules	PW-CF1	CL 4.10.2.3	Acceptance Criteria	Supporting information	per programme	EIR	015	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	016	Subcontractor Procurement Schedule	PW-CF1	CL 4.10.2.2	Acceptance Criteria	Supporting information	per programme	EIR	016	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	017	Vesting Certificates	PW-CF1	Cl.11.2	Acceptance Criteria	Supporting information	per programme	EIR	017	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	018	Risk Assessment/Method Statements (RAMS) is this for works outside of the site?	GDA Requirements of Construction Doc	Section X	Acceptance Criteria	Supporting information	per programme	EIR	018	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	019	SIPR Duct Applications	GDA Requirements of Construction Doc	Section X	Acceptance Criteria	Supporting information	per programme	EIR	019	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	020	Project Photographic Record	PW-CF1 and Prelims	CL 4.10	Acceptance Criteria	Supporting information	per programme	EIR	020	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	021	Schedule of Commissioning	PW-CF1	CL 4.10.2.10	Acceptance Criteria	Supporting information	per programme	EIR	021	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	022	Schedule of Building User Training (for TU Dublin Estates)	ITT Prelims	Handover Procedures	Acceptance Criteria	Supporting information	per programme	EIR	022	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	023	Construction Contract Final Account (what about the final statement to release penultimate cert)	PW-CF1	Cl 11.5	Acceptance Criteria	Supporting information	per programme	EIR	023	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	024	BC(a)R Inspection Plan	BC(a)R /PW-CF1 to CF6	BC(a)R Code of Practice / CL 8.3	Acceptance Criteria	Supporting information	per programme	EIR	024	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	025	Commencement Notice	BC(a)R	BC(a)R Practice Notes	Acceptance Criteria	Supporting information	per programme	EIR	025	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	026	Final Statement	PW-CF1, CF2, CF3, CF4, CF5 • CF 6	Cl 11.5	Acceptance Criteria	Supporting information	per programme	EIR	026	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	027	Penultimate Certificate	PW-CF1	Cl 11.5	Acceptance Criteria	Supporting information	per programme	EIR	027	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	028	Contractor H• Safety Statement	Letter of Intent; Conditions Precedent		Acceptance Criteria	Supporting information	per programme	EIR	028	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	029	H•S Accident Reporting	GDA Requirements of Construction Doc/ER Report	Reqs of Constr Sect 3.18 /CL 4.10	Acceptance Criteria	Supporting information	per programme	EIR	029	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	030	PI Insurance (also Condition Precedent Letter of Intent)	PW-CF1(FTS-1 • FTS 5)	Cl 3.3	Acceptance Criteria	Supporting information	per programme	EIR	030	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	031	PL Insurance (also Condition Precedent Letter of Intent)	PW-CF1(FTS-1 • FTS 6)	Cl 3.6	Acceptance Criteria	Supporting information	per programme	EIR	031	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	032	EL Insurance (also Condition Precedent Letter of Intent)	PW-CF1(FTS-1 • FTS 6)	CL 3.5	Acceptance Criteria	Supporting information	per programme	EIR	032	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	033	Tax Clearance Certificate (Condition Precedent Letter of Intent)	Letter of Intent; Conditions Precedent		Acceptance Criteria	Supporting information	per programme	EIR	033	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	034	Weather Report	ITT Prelims		Acceptance Criteria	Supporting information	per programme	EIR	034	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	035	Construction Management Plan includes typically: (as required)	GDA Requirements of Construction Doc (Appendix E)	Sect 4.0 GDA Req for Const	Acceptance Criteria	Supporting information	per programme	EIR	035	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	036	Conditions Precedent to a Contractor's Commencement on Site	GDA Requirements of Construction Doc	Section 3.3.2 GDA Req for Constr	Acceptance Criteria	Supporting information	per programme	EIR	036	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							
EIR	037	Project Handover Documents as GDA Requirements (handover TAB)	ITT Prelims		Acceptance Criteria	Supporting information	per programme	EIR	037	*no response required in tender response, successful tenderer shall identify which of the above processes maps it to be used to achieve the EIR post tender award*							

Guidance | Exisitng Information | ITT | Responsibility | Services EIR_BEP | Works EIR_BEP | Supporting information | Acceptance Criteria | Functions | Federation Strategy | IT Resources | Capability and Capacity | Mobilization Plan | Risk R ...

Functions

	A	B	C	D	E	F	H
1	**Functions**						
2							
3	Appointment	Functions	Functions Acronym	Organisation	Organisation Acronym	Address	
4	*what appointments will be made?*	*what are they expected to do?*	*how will this be identified?*	*who is tasked to perform the function?*	*how will they be identified?*	what are they based?	
5	**Appointing party - Client**						
6	Employer	Employer	K	Grangegorman Development Agency	GDA	The Clock Tower, Grangegorman Lower, Dublin, D07 XT95	
7	End-user	End-user	EU	TU Dublin	TUD	The Clock Tower, Grangegorman Lower, Dublin, D07 XT95	
8	**Appointed party - Technical Advisors**						
9							
10	Transport specialist	Traffic consultant	TC	DBFL	DBFL	Ormond House, Upper Ormond Quay, Dublin 7, D07 W704	
11	Archaeologist	Archaeologist	AG	Irish Archaeological Consultancy	IAC	Unit G1, Kilcoole Rd, Network Enterprise Park, Co. Wicklow	
12	Town planner	Town planner/Urban designer	T	RPS	RPS	West Pier Business Campus, Dun Laoghaire, Dublin, A96 N6T7	
13	Campus PSCS	Project Supervisor Construction Stage	SIPR-PSCS	Safety Solutions Group	SSG	2 Lyncon Court, Snugborough Rd, Blanchardstown, Dublin 15, D15 NP49	
14	Campus PSDP	Project Supervisor Design Process	SIPR-PSDP	Arup	AR	50 Ringsend Rd, Dublin, D04 T6X0	
15	SIPR Civils	SIPR Civils	SIPR-C	Nicholas O'Dwyer Limited	NOD	Nutgrove Office Park, Unit 4E, Nutgrove Ave, Dublin, D14 V3F6	
16	Programmer	Programme consultant	PC	ppm5d	PPM	7 Lower Fitzwilliam Street, Dublin 2	
17	Health and safety	Health and safety consultant	HS	Safety Solutions Group	SSG	2 Lyncon Court, Snugborough Rd, Blanchardstown, Dublin 15, D15 NP49	
18							
19	**Appointed party - Delivery Teams**						
20	**Design Teams**						
21	Lead Design Team and Architect	Project Delivery Manager	PM				
22	Lead Design Team and Architect	Information Manager	IM				
23	Lead Design Team and Architect	Lead Designer	LD				
24	Assigned Certifier	Assigned Certifier	AC				
25	Project Supervisor Design Process	Project Supervisor Design Process	PSDP				
26	Lead Design Team and Architect	Architect	A				
27	Structural	Structural	S				
28	Civil	Civil	C				
29	Mech, HVAC, Elec and Plumbing Eng	Mech, HVAC, Elec and Plumbing Eng	MEP				
30	Quantity Surveyor	Quantity Surveyor	Q				
31	**Works Contractor**						
32	Works Contractor	Main contractor	WC				
33	Works Contractor	Project Supervisor Consturction Stage	PSCS				

Page 1

Federation strategy

A	B	C
Federation strategy		
purpose	Information container	Information container *(multiple levels of Information containers maybe specified)*
Why is the Information being federated?	*What Information containers are to be merged?*	*What Information within the container is required for the purpose?*

Information Technologies Resources

Information Technologies Resources

Appointing Party

Task			Appointing Party Software			
Purpose	Used By	Stage	Software	Version/Build/Add-on/Database	File Format	Max file size
Common Data Environment (Client/Shared/ Published)	K-GDA	All	SharePoint	SAAS	All	PDF 50,000 KB Models 600,000 KB
Access	EU-TUD	5 (v)	ACT Pro with Mifare cards			**50,000 KB**
CCTV control and storage system	EU-TUD	5 (v)	Milestone			**50,000 KB**
Combined buildings and ICT helpdesk	EU-TUD	5 (v)	RMS			**50,000 KB**
Fire Alarms	EU-TUD	5 (v)	Advance			**50,000 KB**
Intruder Alarm	EU-TUD	5 (v)	Galaxy			**50,000 KB**
Buildings Management System (BMS)	EU-TUD	5 (v)	Trend			**50,000 KB**
Digital Signage	EU-TUD	5 (v)	Eurosign			**50,000 KB**
Public Lighting	EU-TUD	5 (v)	Phillips Starsense			**50,000 KB**
Insite	EU-TUD	5 (v)	Building Atlas			**50,000 KB**
Timetabling and room booking	EU-TUD	5 (v)	CMIS			**50,000 KB**
DIT Finances	EU-TUD	5 (v)	Agresso			**50,000 KB**
Student and Academic Administration	EU-TUD	5 (v)	Banner			**50,000 KB**
Human Resources	EU-TUD	5 (v)	Core HR			**50,000 KB**
E-learning	EU-TUD	5 (v)	Webcourses			**50,000 KB**
Library Services	EU-TUD	5 (v)	Millennium			**50,000 KB**
intercoms/help point	EU-TUD	5 (v)	Commend			**50,000 KB**
						50,000 KB

Appointed Party

Only specified items that are available to be used on this project

Task			Appointer Party Software				Appointed Party Hardware				Appointed Party IT Infrastructure		
Purpose	delivery team	Stage	Software	Version/Build/Add-on/Database	File Format	Max file size	Hardware	Version/Build/Add-on/Database	quantity	Infrastructure	maximum capacity	current utilization	Version/Build/Add-on/Database
what is the software using for?	*Used by who*	*that project stage is it used*	*what software will be used in this project*	*version or build?*	*what is the output format*	*max file size allow by the GDA*	*what hardware will be used to support the software?*		*version or build?*	*what IT infrastructure will be used to support the hardware?*			*version or build?*
Common Data Environment (WIP/Shared)	*Specify Team*	*All*	*Specify Software*		*All*	**600,000 KB**							
CM information	*Specify Team*	*All*	*Specify Software*		*Native/IWD*	**600,000 KB**							
M3 information authoring	*Specify Team*	*All*	*Specify Software*		*Native/IFC*	**200,000 KB**							
M3/DG information authoring	*Specify Team*	*All*	*Specify Software*		*Native/DWG*	**50,000 KB**							
DR information	*Specify Team*	*All*	*Specify Software*		*PDF/merged DWFx*	**50,000 KB**							
Structured information	*Specify Team*	*All*	*Specify Software*		*Native/xlsx*	**50,000 KB**							
Documentation	*Specify Team*	*All*	*Specify Software*		*PDF*	**50,000 KB**							

Acceptance criteria

	A	D	E	F	G	H
1	**Acceptance criteria**					
17						
18	Purpose	Project's information standard	Symbol	Value	Accept without or with ammendments	Proposed exceptions, alternatives and/or extensions
19	Units	Area Units	m2	square meters		
20	Units	Building Linear Units	mm	millimeters		
21	Units	Site Linear Units	m	meters		
22	Units	Volume Units	m3	cubic meters		
23	Units	Currency Unit	€	Euro		
24	Units	Gird 01-A ITM cordinators	ITM	Irish Transverse Mercator		
25	Coordinators	Project origin				
26	Coordinators	Survey Point				
27						
28	Purpose	Project's information standard	Version	Title/Clause	Accept without or with ammendments	Proposed exceptions, alternatives and/or extensions
38	Naming	00GG-GDA-IM-XX-PC-K-XX-1001-NamingProject.pdf	S2-P03	Naming Project		
39	Naming	00GG-GDA-IM-XX-PC-K-XX-1002-NamingDocument.pdf	S2-P05	Naming Document		
40	Naming	00GG-GDA-IM-XX-PC-K-XX-1003-NamingVolume.pdf	S2-P01	Naming Volume		
41	Naming	00GG-GDA-IM-XX-PC-K-XX-1004-NamingRoomNo.pdf	S2-P02	Naming Room No		
42	Naming	00GG-GDA-IM-XX-PC-K-XX-1005-NamingObject.pdf	S2-P01	Naming Object		
43	Naming	00GG-GDA-IM-XX-PC-K-XX-1006-NamingAssetTag.pdf	S2-P01	Naming AssetTag		
44	Naming	00GG-GDA-IM-XX-PC-K-XX-1007-NamingTitleBlock.pdf	S2-P04	Naming TitleBlock		
45	Naming	00GG-GDA-IM-XX-PC-K-XX-1008-NamingM2XrefDR.pdf	S2-P02	Naming M2 Xref DR		
46	Naming	00GG-GDA-IM-XX-PC-K-XX-1009-NamingEmailSubject.pdf	S2-P01	Naming Email Subject		
47	Naming	00GG-GDA-IM-XX-PC-K-XX-1010-NamingStoringFiles.pdf	S2-P01	Naming Storing Files		
48	Naming	00GG-GDA-IM-XX-PC-K-XX-1011-NamingDocuments.pdf	S2-P01	Naming Documents		
49	Naming	00GG-GDA-IM-XX-PC-K-XX-1012-NamingAssetRegister.pdf	S2-P01	Naming Asset Register		
50	Naming	00GG-GDA-IM-XX-PC-K-XX-5000-ISAlphanumerical.pdf	S2-P03	Information Standard Alphanumerical		
51	Information Management Plan	00GG-GDA-IM-XX-PC-K-XX-5002-InformationManagementPlanGuidance.pdf	S2-P01	InformationManagementPlanGuidance		
52	Information Management Plan	00GG-GDA-IM-XX-PC-K-XX-5003-ExampleProcessMap.pdf	S2-P01	ExampleProcessMap		
53	ViewportGrid	00GG-GDA-XX-XX-TE-K-Zz_10_20_95-0001-ViewportGrid.pdf	S2-P01			
54						
55	Purpose	GDA's Information Production Methods and Procedures	Version	Title/Clause	Accept without or with ammendments	Proposed exceptions, alternatives and/or extensions
56	Workflow	00GG-GDA-IM-XX-PC-K-XX-2001-WorkflowCDE.pdf	S2-P01	Workflow CDE		
57	Workflow	00GG-GDA-IM-XX-PC-K-XX-2002-WorkflowStage.pdf	S2-P02	Workflow Stage		
58	Workflow	00GG-GDA-IM-XX-PC-K-XX-2003-WorkflowDatadrop.pdf	S2-P02	Workflow Datadrop		
59	Workflow	00GG-GDA-IM-XX-PC-K-XX-2004-WorkflowApproval.pdf	S2-P01	Workflow Approval		
60	Workflow	00GG-GDA-IM-XX-PC-K-XX-2005-WorkflowApprovalProcess.pdf	S2-P01	Workflow Approval Process		
61	SharePoint	00GG-GDA-IM-XX-PC-K-XX-3001-SharePointFirstTime.pdf	S2-P01	SharePoint First Time		
62						
63	Purpose	Reference information or shared resources provided by the GDA	Version	Title/Clause	Accept without or with ammendments	Proposed exceptions, alternatives and/or extensions
64	6D	https://www.iesve.com/ revit-white-paper-2014.pdf	2014	IES White Paper		
65	Classification	https://toolkit.thenbs.com/definitions	2015	Uniclass 2015		
66						
67	Purpose	GDA's Template	Version	Title/Clause	Accept without or with ammendments	Proposed exceptions, alternatives and/or extensions
68	Title sheet	00GG-GDA-ZZ-XX-TE-K-Zz_10-0001-A1TitleSheetHoz.dwg	S2-P01	A1 Title Sheet Vertical DWG (Default)		
69	Title sheet	00GG-GDA-ZZ-XX-TE-K-Zz_10-0001-A1TitleSheetVer.dwg	S2-P01	A1 Title Sheet Horizontal DWG		
70	Title sheet	00GG-GDA-ZZ-XX-TE-K-Zz_10-0002-A3TitleSheetHoz.dwg	S2-P01	A3 Title Sheet Vertical DWG (Default)		
71	Title sheet	00GG-GDA-ZZ-XX-TE-K-Zz_10-0002-A3TitleSheetVer.dwg	S2-P01	A3 Title Sheet Horizontal DWG		

... Guidance | Exisitng Information | ITT | Responsibility | Services EIR_BEP | Works EIR_BEP | Supporting information | Acceptance Criteria | Functions | Federation Strategy | IT Resources | Capability and Capacity | Mobilization Plan | Risk R ...

Project's information standard

Naming Document

Quality Checked:RM Reviewed: CS Approved:CS

Project

Code	Description
00GC	GrangegormanCampus
00GG	GrangegormanStrategy
00GQ	GrangegormanQuarter
00PROC	Procurment
00SPR	Site Infrastructure Public Realm
00CROI	An Croí (Cluster Buildings)
00GGCM	PPP Quads
00SA1	Student Accommodation Phase 1
00CLH	Church of Ireland Lower House
00PH	Park House
00SC	Student Centre
00FS	Field Sports
01PHX	Phoenix Care
02CPNC	Car Park North Circular
03HSE	HSE
04RCN	Care Neighbourhood
05PCC	Primary Care Centre
06DTET	EducateTogether
07HZ	Energy Centre 1 (Hub 2)
07EZ	Energy Centre 2
08WQ	West Quad
09AH	Academic Hub
09NH	North House
09NHA	North House Annex
09NFA	No Fixed Abode
10CQ/GQCQ	Central Quad/(CJV)
11EA	Estates Accommodation
11GW	Greenway Hub
11FC	Field Sports Changing
11FI	FOCAS Research Institute
12OH	Orchard House
13CT	ClockTower
13CCGL	Contractors Compound
13PW	Print Workshop
13BP	Box Park
13IS	IndoorSports
113EF	Estates Depot
14CUMU	Commercial Unit Mixed Use
15SA	Plot15 Student Accommodation
17SA	Plot17 Student Accommodation
18SA	Plot18 Student Accommodation
19RD	RathdownHouse
20GL	Glasemanogue
21SL	StLaurances
22BR	Bradogue
23SA	Plot23 Student Accommodation
24EQ/GQEQ	EastQuad/(CJV)
25CUMU	Commercial Unit Mixed Use
25CPBS	Car Park Broad Stone
26CUMU	Commercial Unit Mixed Use
26BP	Box Park
27CI	Church Ireland
28SA	Plot28 Student Accommodation
29LH	Lower House
29CPLH	Car Park Lower House
30SA	Plot30 Student Accommodation
30TS	Temporary School
30CPMS	Car Park Morning Star

Originator

Code	Description
	Client
GDA	Grangegorman Development Agency
	End User
TUD	Technological University for Dublin
HSE	Health Service Executive
ET	Educate Together
DES	Department of Education and Skills
	Delivery Teams
ODT	O'Donnell + Tuomey
GA	Grafton Architects
HPA	Heneghan Peng Architects
TODD	TODD Architects
MCM	McCullough Mulvin Architects
MSA	Michael Slattery Associates
FST	Fluid Structures
MXF	Max Fordham
DPT	Dpt
DGP	Duffy Gaffney Partnership
CMS	Chris Mee Safety Engineering
SSV	Sound Space Vision
MFS	Murphy Façade Studio Limited
PAA	Paul Arnold Architects
OLM	OLM Consultancy
ACM	Aecom
AR	ARUP
PBS	Plattenbau Studio
ADX	ArcDox
DBFL	DBFL Consulting Engineers
BDP	BDP
AGS	Aegis Safety
WHS	WH Stephens
ATG	Atkins Global
TTT	Thirty Three Trees
MFS	Murphy Façade Systems
BBL	Bartenbach
DDS	Detail Design Studio
ACA	Alastair Coey Architects
ARC	Austin Reddy & Company
SSG	Safety Solutions Group
NYL	Nyland Consulting
OTL	OHL-TOWNLINK JV
SSL	Stone Systems Limited
GLF	Gunn Lennon Fabrications Limited
QDG	Quinn Downes Group
JEG	Jones Engineering Group
AP	*Appointing party (GDA)*
LAP	*Lead Appointed party (LD)*
APP	*Appointed party (Discipline)*
K	*client (TUD) (HSE)*
LD	*Lead Design Team*
DT	*Design Team*
TA	*Technical Advisor*
W	*contractor*
X	*subcontractor*
Y	*specialist designer*
Z	*general (non-disciplinary)*

Volume/Functional Breakdown

Code	Description
ZZ	multiple subdivisions
GOV	Governance
EW	Enabling Works
MW	Minor Works
RW	Repair Works
PA	Public Art
SIPR	Site Infrastructure/ Public Realm (Works Extents)
	Documents
XX	no subdivision is applicable
	Rooms
nnnn	Room Number
	Zones
(Acronym)	Zone Name
	00GG
ADM	A Drawing Matter
CLM	Climate Action Plan
HRD	SiteHoarding
HER	Heritage
IM	Information Management
MAN	Management
P3	Programme III
P3PS	Programme III Programme Support
PROP	Property
PROC	Procurement
SUS	Sustainability
SPT	Campus Wide Sports
PLAN	Planning
PLAN-SDZ	Strategic Development Zone
MOB	Mobility (Tansport, Traffic, Access and Movement)
AMS	Access Mobility Security (Public Realm Functionality)
SF	Student Facilities
	00GQ
GSQ	GrangegormanSquare
GL	GrangegormanLower
BG	Broadstone Gateway
BI	Broadstone Interface
PSC	Park Shopping Centre
CH	Constitution Hill
PSA	30 Prussia Street Accommodation
	00GC
SW	SiteWide
GEM	Grangegorman Estate Management
BLD	Buildings
SIPR	Site Infrastructure Public Realm
	00SPR
PSG	Prussia Street Gateway
HRE	Haul Road East
IVY	Ivy Avenue
BL	Broadstone Link (East Link)
GB	Golden Bandstand
AMS	Access Mobility Security
AMSE	Access Mobility Security East
	00PH
TL	Temporary Libarary
OF	Office
CP	Car Parking
	04RCN
DC	Day Care / Operations
HH	Household/Hostel
CP	Car Parking
	06DTET
NS	NationalSchool
TB	Teaching Block
GP	General Purpose
	07EZ
EC	Permanent Energy Centre
IEC	Interim Energy Centre
INF	Infrastructure Works
CN	Carbon Neutral Solution
	08WQ
1S	South Volume
2C	Central Volume
3N	North Volume
	09AH
AHL	Academic Hub Library
AHLN	Academic Hub Library North
AHLS	Academic Hub Library South
AHX	Academic Hub Extension
NH	North House
NHW	North House West
NHE	North House East
PH	Park House
	13CT
PSFPW	Priority Stabilisation and Fabric Protection Works
PSFPWN	PSFPW North
PSFPWS	PSFPW South
	19RD
RDE	Rathdown House East
RDW	Rathdown House West
HCC	Health and Counselling Centre
	29LH
WRP	West Pavilion/West Range
CB	Central Block
ERP	East Pavilion/East Range
WCB	West Pavilion/West Range and Central Block

Spatial Breakdown

Code	Description
ZZ	multiple spatial subdivisions
F1	Foundations
UG	Under Ground
TR	Terrain
B1	basement level 1
LG	Lower Ground
00	base level
01	level 01
02	level 02, etc.
M1	mezzanine above level 01
RP	Roof Plan
	00SPR locations
1NW	North West (Ivy Avenue West) 1
2NC	North Central (Ivy Avenue Central) 2
3MW	Mid West (St Brendan's Way East) 3
4MC	Mid Central (St Brendan's Way Mid) 4
5ME	Mid West (St Brendan's Way East) 5
6SC	South Central (Community Garden) 7
7SE	South East (Serpentine Walk East) 8
	Documents
XX	no spatial subdivision is applicable

Type

Code	Description
	FI - Form of information
	Communication
AG	Agenda
BL	Brochure
CT	Comment
CD	Conversation record
CO	Correspondence
EM	Email
FN	File note
LF	Leaflet
LT	Letter
ME	Memo
MI	Minutes
PO	Poster
PP	Presentation
PE	Press release
RI	Request
TQ	Technical query
TN	Transfer note
TL	Transmittal
	Contractual
AP	Application
CC	Contract
EW	Early warning notice
IN	Instruction
PS	Proposal
RQ	Requisition
SO	Subcontract order
VA	Variation (Change Order)
	Data
DB	Database
DS	Data set
IE	Information exchange file
RD	Room data sheet
SA	Schedule of accommodation
	Design
CA	Calculations
SW	Scope of works
SP	Specification
	Financial
BQ	Bill of quantities
CP	Cost plan
ES	Estimate
IV	Invoice
QN	Quotation
	Graphical
AF	Animation file
CR	Clash rendition
CM	Combined model
DG	Drawing (with Xref M2 e.g. DWG)
DR	Drawing rendition (Sheet e.g. PDF)
IM	Image
MR	Model rendition
M3	Model – three-dimensional
M2	Model – two-dimensional
PH	Photograph
SC	Schematic
SK	Sketch
VS	Visualization
	Official guidance
PZ	Protocol
RN	Regulation
SD	Standard
	Project planning
MS	Method statement
PY	Policy
PC	Procedure
PR	Programme
SY	Strategy
	Record information
CE	Certificate
CH	Chart
DT	Data sheet
DE	Diary entry
DY	Directory
FM	Form
GU	Guide
HS	Health and safety
LI	List
LG	Log
MA	Manual
MX	Matrix
PT	Permit
PL	Plan
PW	Process workflow
RG	Register
RP	Report
SH	Schedule or table
SN	Snagging list
ST	Study
SU	Survey
TF	Technology file
TR	Test result
TE	Template
TG	Training record
VL	Valuation

Discipline

Code	Description
A	Architect
AC	Assigned certifier
AE	Acoustic engineer
AG	Archaeologist
AR	Arboriculturalist
AS	Asbestos surveyor
B	Building surveyor
BCAR	B(c)ai consultant
C	Civil engineer
CA	Conservation architect
CSC	Conservation consultant
CC	Catering consultant
CS	Civil/structural engineer
CW	Clerk of works
PSCS	PSCS
D	Drainage
PSDP	PSDP
E	Electrical engineer
EC	Environmental consultant
ES	Stream/leed/seai assessor
EU	End-user
ER	Employers representative
F	Facilities management
FE	Fire engineer
FD	Cladding designer/facades consultant
G	Geographical and land surveyor
GE	Geotechnical engineer
GD	Graphic designer
H	Heating and ventilation designer
HS	Health and safety consultant
I	Interior designer
IC	Investment consultant
ICT	ICT specialist consultant
IM	Information management
K	Client
L	Landscape Architect
LA	Local authority
LD	Lead design team
LG	Lighting designer
LS	Library specialist
M	Mechanical engineer
MEP	Mech Elec Plumbing engineer
MP	Master planner
P	Public health engineer
PA	Public artist
PH	Photographer
PM	Project manager
PC	Programme consultant
Q	Quantity surveyor
S	Structural engineer
SD	Signage designer
SH	Stakeholder
SI	Site investigation
SA	Security advisor
SC	Stone conservation specialist
TA	Technical advisor
TC	Traffic consultant
TPD	Third Party Developer
T	Town planner/Urban designer
UA	Access consultant
UP	Utility provider
US	Utilities surveyor
Y	Topographical surveyor
MC	Maintenance Contractor

Classification

Uniclass 2015

Project information shall contain XX or the most applicable PM Uniclass classification

Asset information shall contain Co, En, SL, Ss or Pr Uniclass classifications. The lowest unique classification is to be used.

Code	Description
	Complexes (Examples not exhaustive)
Co_35_10	Medical complexes (HSE)
Co_25_10_66	Primary schools (DES)
Co_25_10_92	Universities (TU Dublin)
Co_40_75_71	Recreation grounds (GEM)
	Entities (Examples not exhaustive)
	https://toolkit.thenbs.com/knowledge/En/
En_32_35	Grounds (topo)
En_25_10_30	Primary educational buildings
En_25_10_60	Tertiary educational buildings
En_25_30_70	Research buildings
En_25_70_47	Library buildings
En_35_50_70	Residential welfare buildings
En_40_75_10	Multiple social recreation buildings
En_80_45_85	Surface vehicle parks
En_45_10	Residential buildings
En_60_40_10	District heating buildings
En_35_50_94	Visitor welfare buildings
En_20_85_15	Security control buildings
En_20_15	Administrative office entities
En_20_50_53	Mixed use buildings
En_80_45_17	Coach parks
En_90_90	Storage entities
	Spaces/locations (Examples not exhaust)
	pdbt.thenbs.com/Uniclass/SL/
SL_25_10_47	Lecture theatres
SL_35_60_30	Food preparation areas
SL_35_80_66	Bathroom
SL_90_10_15	Corridors
SL_90_10_87	Stairways
SL_90_50_35	General storerooms
SL_90_90_64	Plant rooms
	Systems (Examples not exhaustive)
	pdbt.thenbs.com/Uniclass/Ss/
Ss_20	Structural systems
Ss_25_30_20_25	Doorset systems
Ss_25_30_95_26	External window systems
Ss_25_30_95_41	Internal window systems
Ss_25_38_20_20	Door hardware systems
Ss_30_42	Floor covering and finishing systems
Ss_50_30_64	systems
Ss_55_70_38	Hot and cold water supply systems
Ss_60_40_37_48	Low temperature hot water heating systems
Ss_65_40_33	General space ventilation systems
Ss_70_30_45_40	Low voltage supply systems
Ss_70_60_33	General space lighting systems
Ss_75_10_21	Data distribution and telecommunications
Ss_75_50_28	Detection and alarm systems
	Products (Examples not exhaustive)
	pdbt.thenbs.com/Uniclass/Pr/
Pr_65_53_86_66	Pressure booster pumps
Pr_60_65_03_66	Supply air handling units
Pr_60_60_08	Boilers

Number

0001 - 000n etc.

Sequential numbering required for all info. Layouts start at 1000. All other start at ####

0000	Multiple sheets
00##	Site
1###	Layouts
11##	Existing/Demolition
12##	etc.
2###	Sections
3###	Elevations
4###	Details
5###	Zones/Volumes
6###	
7###	Fitouts
8###	Callouts
9###	
01##	Certification
02##	Commissioning
03##	Guarantee
04##	Warranties
05##	Instructions
06##	Data sheets
07##	Cleaning
08##	Hazards
09##	Maintenance

YYYYMMDD COMPP

PH Photographer camera default naming for the remainder of the filename

Description

CamelCase
Succint CamelCase text Maximum 20 No. Characters
Examples
FloorPlan
LandscapePlan
FireStrategy
RCPLayout
SectionAAandBB
CWSLayout
StudLayout
Stage1Report
DrainageDetails
Stage1Report

Metadata

Suit-ability Code	Revision Rev	'Suitable for' Title Information Description
S		Shared
A		Authorized
R		Record
X		Archived
(a)O		(Phase) Opendata
(a)S		(Phase) Sensitive
	P	Preliminary Information
	D	Design Information
	S	Statutory Information
	T	Tender Information
	C	ConstructionIntent
	R	ConstructionRecord
	U	Inuse Information (Operational)
		Work-In-Progress
S0	P(0n)-D(n)	Initial status
		Admin Information
S2	P01	Information
S3	P01	Review and Comment
S4	P01	Stage Approval
		Datashop Information
A0	T01	CWMF (0) - Procurement
S3	P01	Review and Comment
S4	P(0n)	Stage Approval
A1	D01	CWMF (i) - Preliminary
S3	P(0n)	Review and Comment
S4	P(0n)	Stage Approval
A2a	D0(n)	CWMF (ii)a - Developed Design
PP	S01	Planning Permission
PD	S01	Disability Access Certificate
PF	S01	Fire Safety Certificate
S3	P(0n)	Review and Comment
S4	P(0n)	Stage Approval
A2b	D0(n)	CWMF (ii)b - Detailed Design
A3	T01	CWMF (iii) - Tender
A4	C01	CWMF (iv) - Construction
S3	P(0n)	Review and Comment
S4	P(0n)	Stage Approval
		AsBuilt Information
RC	R01	As-built Record (Opendata)
RS	R01	As-built Record (Sensitive)
RU	R01	Utilities Record (Opendata)
RI	R01	Information Record
		Operational Information
RO	U01	Inuse Information (Opendata)
RS	U01	Inuse Information (Sensitive)
		Archived Information
XX	R01	Superseded Information
		Project Information folders
0	R	GovernanceRecord
0	T	ServicesTender
1	D	Preliminary
2a	D	DevelopedDesign
2b	S	StatutorySubmission
2b	D	DetailedDesign (DesignBasic)
3	T	WorksTender
3	T	WorksContract
4	C	ConstructionIntent
5	R	AsBuiltSLD
5	R	AsBuiltSPR
	R	Archive
		Asset Information folders
1	S	ProjectInformationRecords
2b	S	Statutory
2b	D	DesignBasis
5	R	AsBuiltRecord
	U	Inuse
	R/U	SupportingInformation (TA reports)

Project's information standard

Naming – Title Block

S3 and S4 suitability removed at start completion

S4	P23	20190327	Suitable for Stage Approval
S3	P22	20190326	Suitable for Final Review & Comment
S3	P17	20190325	Suitable for Preliminary Review & Comment
2a	D02	20190324	Work Stage (ii)a Developed Design
1	D01	20190323	Work Stage (i) Preliminary
Suit	Rev	Date	Description

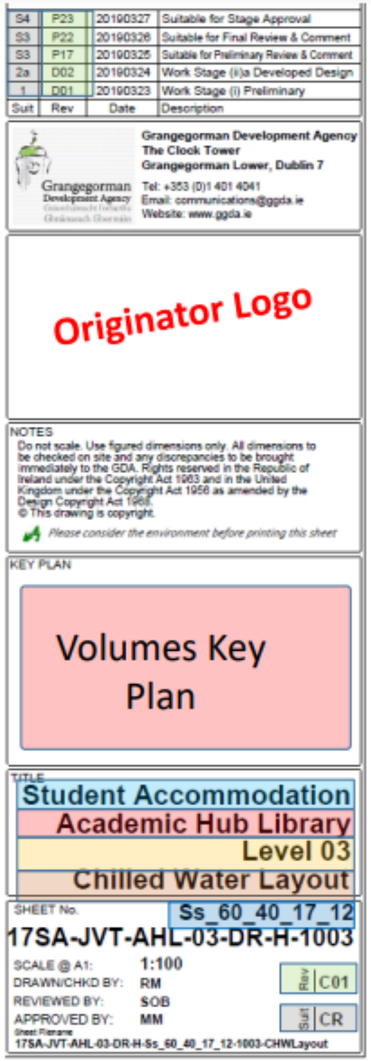
Notes:

1. Text in title block to be lowercase (Sentence case)
2. Dates to be YYYYMMDD
3. Only 'Level' not 'Floors' to be used in the Project, e.g. Level 00, not Ground Floor
4. DPoW to match sheet Title Block
5. All PDF/DWFx to be issued in full scale
6. CHKD by, Reviewed By and Approved by, must be reviewed for every issue
7. Only named persons in the dBEP can Review/Approve information
8. Sheet title information can be moved up a line if required

Naming as per dBEP, DPoW tab

Sheet Name									Title	Format	Security
Project	Originator	Volumes and systems	Levels and location	Type	Role	Classification	Number	Description			
17SA	JVT	AHL	03	DR	H	Ss_60_40_17_12	1003	ChilledWaterLayout	Chilled Water Layout	pdf/dwfx	CR

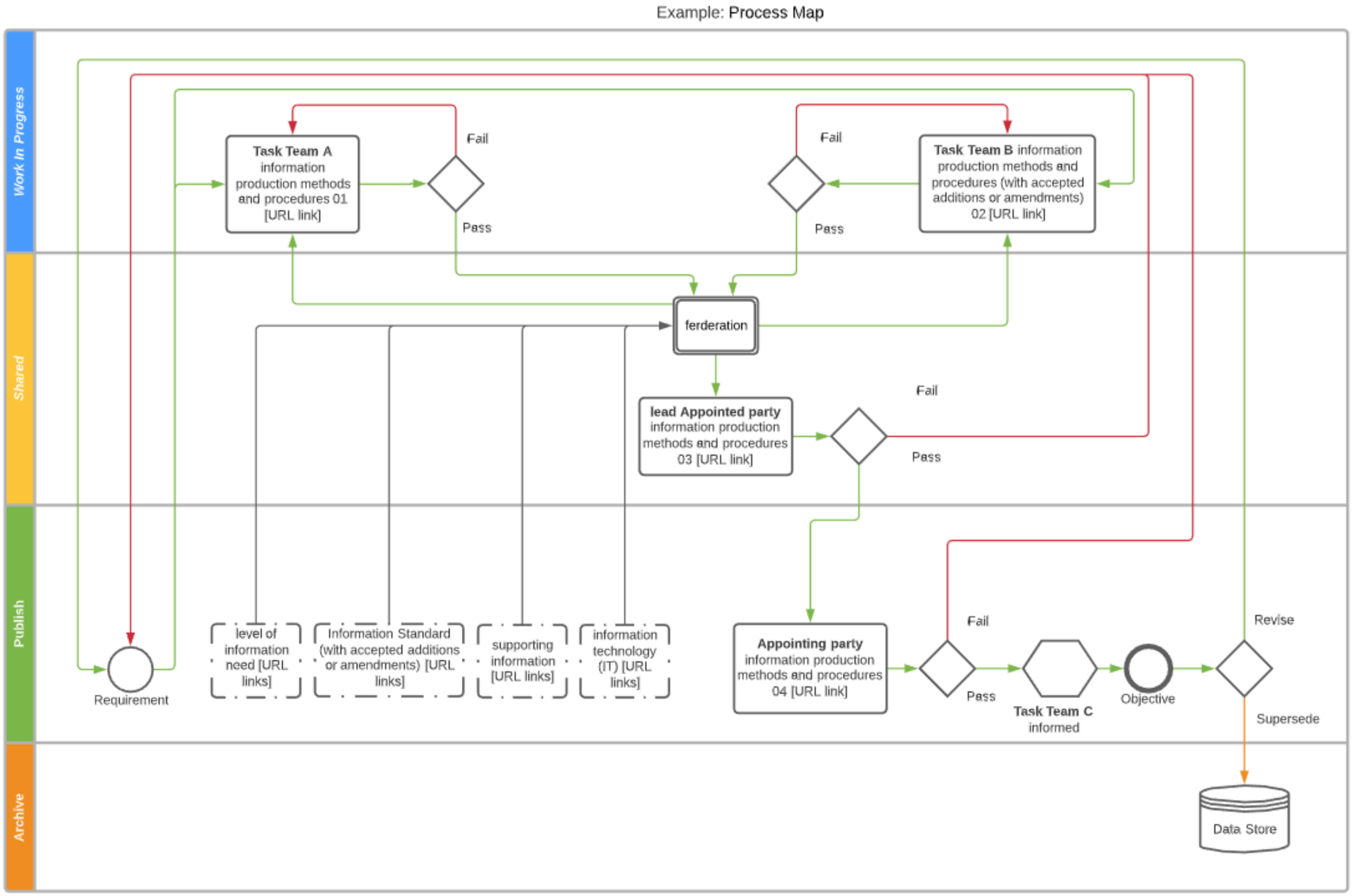
	Project	Originator	Volumes and systems	Levels and locations	Type	Role	Classification Uniclass	Number	Description	Suitability [Metadata]	Revision [Metadata]
Name	Plot 17 Student Accommodation	JV Tierney	Academic Hub Library	Level 03	Drawing	HVAC	Chilled Water Systems	Sequential Number	Service	Suitable for Co-ordination	Preliminary
Code	17SA	JVT	AHL	03	DR	H	Ss_60_40_17_12	1003	ChilledWater Layout	CR	C01
File Name	17SA-JVT-AHL-03-DR-H-Ss_60_40_17_12-1003-CHWLayout-*CR-C01*										



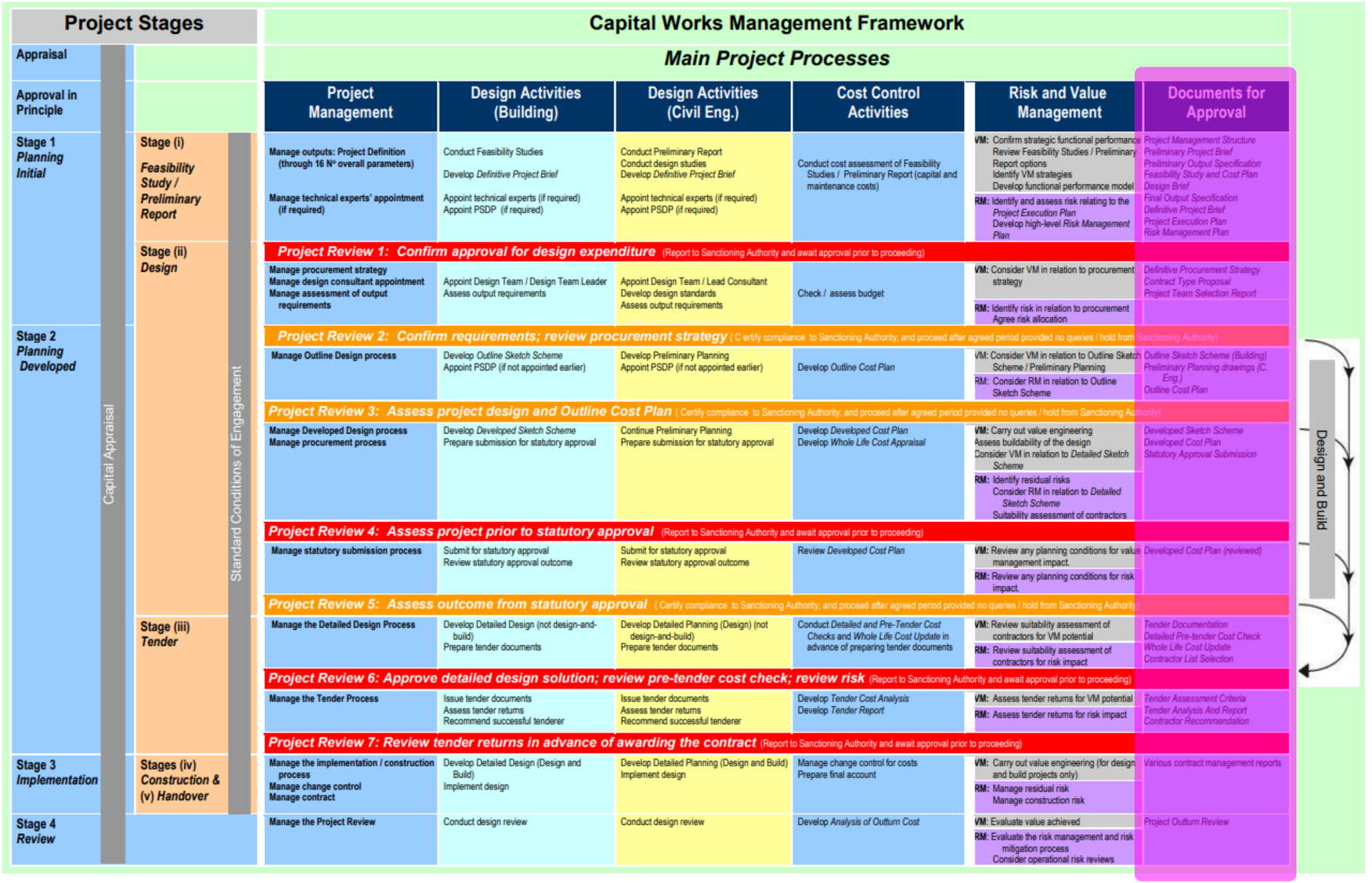
Grangegorman Campus
SMP - Naming
Title Block

Issued 27/03/2019 By: Robert.moore@GGDA.ie
00GG-GDA-IM-XX-PD-K-XX-1007
TitleBlock
S02-P04

Project’s information production methods and procedures



Capital Works Management Framework have standard deliverables



Final thoughts:

CEN/TR 17654:2021;

Can help People better understand ISO 19650

Can flexible enough to suit People’s projects

Can help People progress their approach to Information Management

GDA’s Information Management Plan;

Is focused on giving People the information they need

Is a pathway for People to improve Information Management

Is reducing People’s work reproducing standards documents as project specific

Culture beats technology

We don’t have all the answers.

But, we are starting to ask better questions.

5th CitA BIM Gathering Virtual Conference

21 - 23 September 2021

Gathering21

Construction Innovations
for Future Generations