



Grangegorman
Development Agency
Gníomhaireacht Forbartha
Ghráinseach Ghormáin

Cutting through the ***BIM Speak***



Add profile section ▼

More...



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- 4 years in the GDA
- 8 years as a Information Manager
- 12 years working with 3D information
- 25 years in the construction industry
- ISO 19650 BEP/EIR guidance and template, Task Group
- LCI Public Sector, Task Force lead
- NSAI Building Information Modelling, Committee member
- Public BIM, Co founder

Jargon puts *People* off

BIM Speak is like a secret language

Masonic handshakes / grips



Grip of an entered apprentice



**Real grip of a master mason
"Lion's paw"**



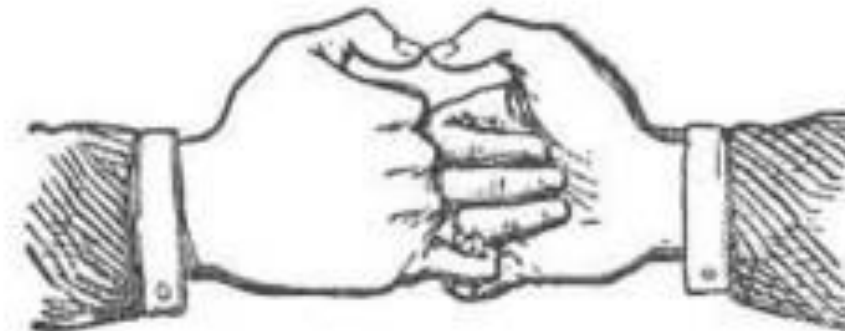
Apprentice to the pass grip of a fellow craft



Pass-grip of a mark master mason



Real grip of a fellow craft



Real grip of a mark master mason



Pass grip of a master mason



Grip of a most excellent master

BIM Speak

BIM	Building Information Modelling
EIR	Exchange Information Requirements
BEP	BIM Execution Plan
CDE	Common Data Environment
TIDP/ MIDP	Task Information Delivery Plan/ Master Information Delivery Plan
QA/QC	Quality Assurance/Quality Control

*What does this **BIM Speak** mean?*

What is the added value it brings?

How can the GDA achieve this added value?

But we noticed something interesting...

It's not as new as you might think...

Terms and definitions

When I'm talking about **Information**,
I'm referring to ***digital built environment information***

BIM

Building Information Modelling

Using shared information containers for decision making

BIM - Using shared information containers for decision making

BS EN ISO 19650-1:2018

ISO 19650-1:2018(E)

3.3.14

building information modelling

BIM

use of a shared digital representation of a built asset (3.2.8) to facilitate design, construction and operation processes to form a reliable basis for decisions

3.3.8

information model

set of structured and unstructured information containers (3.3.12)

Use case

- Coordination
- Programme
- Budget
- Sustainability
- Facilities Management

*What about managing and producing
this information?*

BS EN ISO 19650-1:2018

EUROPEAN STANDARD

EN ISO 19650-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2018

ICS 35.240.67; 91.010.01

English Version

Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - **Information management using building information modelling - Part 1: Concepts and principles (ISO 19650-1:2018)**

BS EN ISO 19650-1:2018
ISO 19650-1:2018(E)

Introduction

This document sets out the recommended concepts and principles for business **processes** across the built environment sector in support of the **management and production of information** during the life cycle of built assets (referred to as “**information management**”) when using building information modelling (BIM).

Information Management *is not an acronym*

EIR
Exchange Information Requirements
Schedule of information required for decision making

EIR - Schedule of information required for decision making

BS EN ISO 19650-1:2018
ISO 19650-1:2018(E)

3.3.2

information requirement

specification for **what, when, how and for whom** information ([3.3.1](#)) is to be produced

GDA's primary information requirements

- Brief
- Budget
- Programme
- Design progress report
- Detailed Design (Tender)
- Construction Information
- Construction progress report
- Handover information (Safety file, O&M Manual and Building users Guide)

EIR - Schedule of Information required for decision making

(this is not new)

Project Stages		Capital Works Management Framework					
Appraisal		Main Project Processes					
Approval in Principle		Project Management	Design Activities (Building)	Design Activities (Civil Eng.)	Cost Control Activities	Risk and Value Management	Documents for Approval
Stage 1 Planning Initial	Stage (i) Feasibility Study / Preliminary Report	Manage outputs: Project Definition (through 16 N ^a overall parameters) Manage technical experts' appointment (if required)	Conduct Feasibility Studies Develop Definitive Project Brief Appoint technical experts (if required) Appoint PSDP (if required)	Conduct Preliminary Report Conduct design studies Develop Definitive Project Brief Appoint technical experts (if required) Appoint PSDP (if required)	Conduct cost assessment of Feasibility Studies / Preliminary Report (capital and maintenance costs)	VM: Confirm strategic functional performance Review Feasibility Studies / Preliminary Report options Identify VM strategies Develop functional performance model RM: Identify and assess risk relating to the Project Execution Plan Develop high-level Risk Management Plan	Project Management Structure Preliminary Project Brief Preliminary Output Specification Feasibility Study and Cost Plan Design Brief Final Output Specification Definitive Project Brief Project Execution Plan Risk Management Plan
	Stage (ii) Design	Project Review 1: Confirm approval for design expenditure (Report to Sanctioning Authority and await approval prior to proceeding)					
Stage 2 Planning Developed	Standard Conditions of Engagement	Manage procurement strategy Manage design consultant appointment Manage assessment of output requirements	Appoint Design Team / Design Team Leader Assess output requirements	Appoint Design Team / Lead Consultant Develop design standards Assess output requirements	Check / assess budget	VM: Consider VM in relation to procurement strategy RM: Identify risk in relation to procurement Agree risk allocation	Definitive Procurement Strategy Contract Type Proposal Project Team Selection Report
		Project Review 2: Confirm requirements; review procurement strategy (Certify compliance to Sanctioning Authority; and proceed after agreed period provided no queries / hold from Sanctioning Authority)					
		Manage Outline Design process	Develop Outline Sketch Scheme Appoint PSDP (if not appointed earlier)	Develop Preliminary Planning Appoint PSDP (if not appointed earlier)	Develop Outline Cost Plan	VM: Consider VM in relation to Outline Sketch Scheme / Preliminary Planning RM: Consider RM in relation to Outline Sketch Scheme	Outline Sketch Scheme (Building) Preliminary Planning drawings (C. Eng.) Outline Cost Plan
		Project Review 3: Assess project design and Outline Cost Plan (Certify compliance to Sanctioning Authority; and proceed after agreed period provided no queries / hold from Sanctioning Authority)					
		Manage Developed Design process Manage procurement process	Develop Developed Sketch Scheme Prepare submission for statutory approval	Continue Preliminary Planning Prepare submission for statutory approval	Develop Developed Cost Plan Develop Whole Life Cost Appraisal	VM: Carry out value engineering Assess buildability of the design Consider VM in relation to Detailed Sketch Scheme RM: Identify residual risks Consider RM in relation to Detailed Sketch Scheme Suitability assessment of contractors	Developed Sketch Scheme Developed Cost Plan Statutory Approval Submission
Project Review 4: Assess project prior to statutory approval (Report to Sanctioning Authority and await approval prior to proceeding)							
Stage 3 Implementation	Standard Conditions of Engagement	Manage statutory submission process	Submit for statutory approval Review statutory approval outcome	Submit for statutory approval Review statutory approval outcome	Review Developed Cost Plan	VM: Review any planning conditions for value management impact. RM: Review any planning conditions for risk impact.	Developed Cost Plan (reviewed)
		Project Review 5: Assess outcome from statutory approval (Certify compliance to Sanctioning Authority; and proceed after agreed period provided no queries / hold from Sanctioning Authority)					
		Manage the Detailed Design Process	Develop Detailed Design (not design-and-build) Prepare tender documents	Develop Detailed Planning (Design) (not design-and-build) Prepare tender documents	Conduct Detailed and Pre-Tender Cost Checks and Whole Life Cost Update in advance of preparing tender documents	VM: Review suitability assessment of contractors for VM potential RM: Review suitability assessment of contractors for risk impact	Tender Documentation Detailed Pre-tender Cost Check Whole Life Cost Update Contractor List Selection
Project Review 6: Approve detailed design solution; review pre-tender cost check; review risk (Report to Sanctioning Authority and await approval prior to proceeding)							
Stage 4 Review	Stages (iv) Construction & (v) Handover	Manage the Tender Process	Issue tender documents Assess tender returns Recommend successful tenderer	Issue tender documents Assess tender returns Recommend successful tenderer	Develop Tender Cost Analysis Develop Tender Report	VM: Assess tender returns for VM potential RM: Assess tender returns for risk impact	Tender Assessment Criteria Tender Analysis And Report Contractor Recommendation
		Project Review 7: Review tender returns in advance of awarding the contract (Report to Sanctioning Authority and await approval prior to proceeding)					
		Manage the implementation / construction process Manage change control Manage contract	Develop Detailed Design (Design and Build) Implement design	Develop Detailed Planning (Design and Build) Implement design	Manage change control for costs Prepare final account	VM: Carry out value engineering (for design and build projects only) RM: Manage residual risk Manage construction risk	Various contract management reports
		Manage the Project Review	Conduct design review	Conduct design review	Develop Analysis of Outturn Cost	VM: Evaluate value achieved RM: Evaluate the risk management and risk mitigation process Consider operational risk reviews	Project Outturn Review

EIR - Schedule of Information required for decision making

exchange information requirements/BIM execution plan						
exchange information requirements						
information requirements		level of information need	acceptance criteria	supporting information	exchange date or frequency	
Type	Ref	Description	project's information standard, project's information production methods and procedures, and reference information or shared resources	Template	existing asset information, shared resources, supporting documents or guidance material, references to relevant international, national or industry standards, and exemplars of similar information deliverables	exchange date or frequency
Tracking Number		Why and what is the information needed?	What is the minimum amount of information needed for the	What conditions should be used to check the information deliverable in relation to consistency,	What supporting material is needed to produce the information?	When the information is needed?
PIR	016	Cash Flow Projection	level of information need	Acceptance Criteria	Supporting Info	Starting Date
PIR	017	Contractors Progress Reports	level of information need	Acceptance Criteria	Supporting Info	First Monday of every month
PIR	018	Project Risk register	level of information need	Acceptance Criteria	Supporting Info	First Monday of every month all stages
PIR	019	RDD Submittals	level of information need	Acceptance Criteria	Supporting Info	as per Delivery
PIR	020	VE Submittals	Refer to contract	Acceptance Criteria	Supporting Info	8 weeks post Starting Date
PIR	021	Change Management Process	LOIN	Acceptance Criteria	Supporting Info	as required
PIR	022	Schedule of dilapidations	LOIN	Acceptance Criteria	Supporting Info	8 weeks post Starting Date
PIR	023	Testing certification	LOIN	Acceptance Criteria	Supporting Info	10 days post test
AIR	001	Define the content of the Handover Information (using the GDA naming convention)	LOIN	Acceptance Criteria	Supporting Info	handover
PIR	024	Construction B(CAR) Compliance	LOIN	Acceptance Criteria	Supporting Info	Practical completion

GDA's approach to add value.

BEP

BIM Execution Plan

Methodology for the production, management and uses of information

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

BS EN ISO 19650-2:2018
ISO 19650-2:2018(E)

3.1.3.1

BIM execution plan

plan that explains how the information management aspects of the appointment will be carried out by the delivery team

BS 1192:2007+A2:2016

4 Collaboration management processes

4.1 Process considerations

4.1.1 Standard method and procedure

Projects should follow a common set of generic processes at the highest level, which are fine-tuned on a project-by-project basis. The procedures outlined apply to all approaches to project design production, \mathbb{A}_1 and co-ordination of the information model. \mathbb{A}_1

BEP - Methodology for the production, management and use of information *(this is not new)*

Prepared: Tom Bourke Document No: QAM002
Approved: *T. Bourke* Revision: 1
Date: 23/9/97 Page: 1 of 79

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E-E-L

ENVIRONMENTAL ENGINEERING LIMITED

Computer Aided Draughting Manual

Prepared: Tom Bourke Document No: QAM002
Approved: *T. Bourke* Revision: 1
Date: 23/9/97 Page: 2 of 79

INTRODUCTION

This document is intended as a specific guide for the production of Computer Aided drawings for the E.E.L. Design Group.

The specific purpose of this guide is to achieve a standard EEL draughting style & to provide a users guide to the use of *Autocad* for the production of CAD drawings.

CONTENTS:

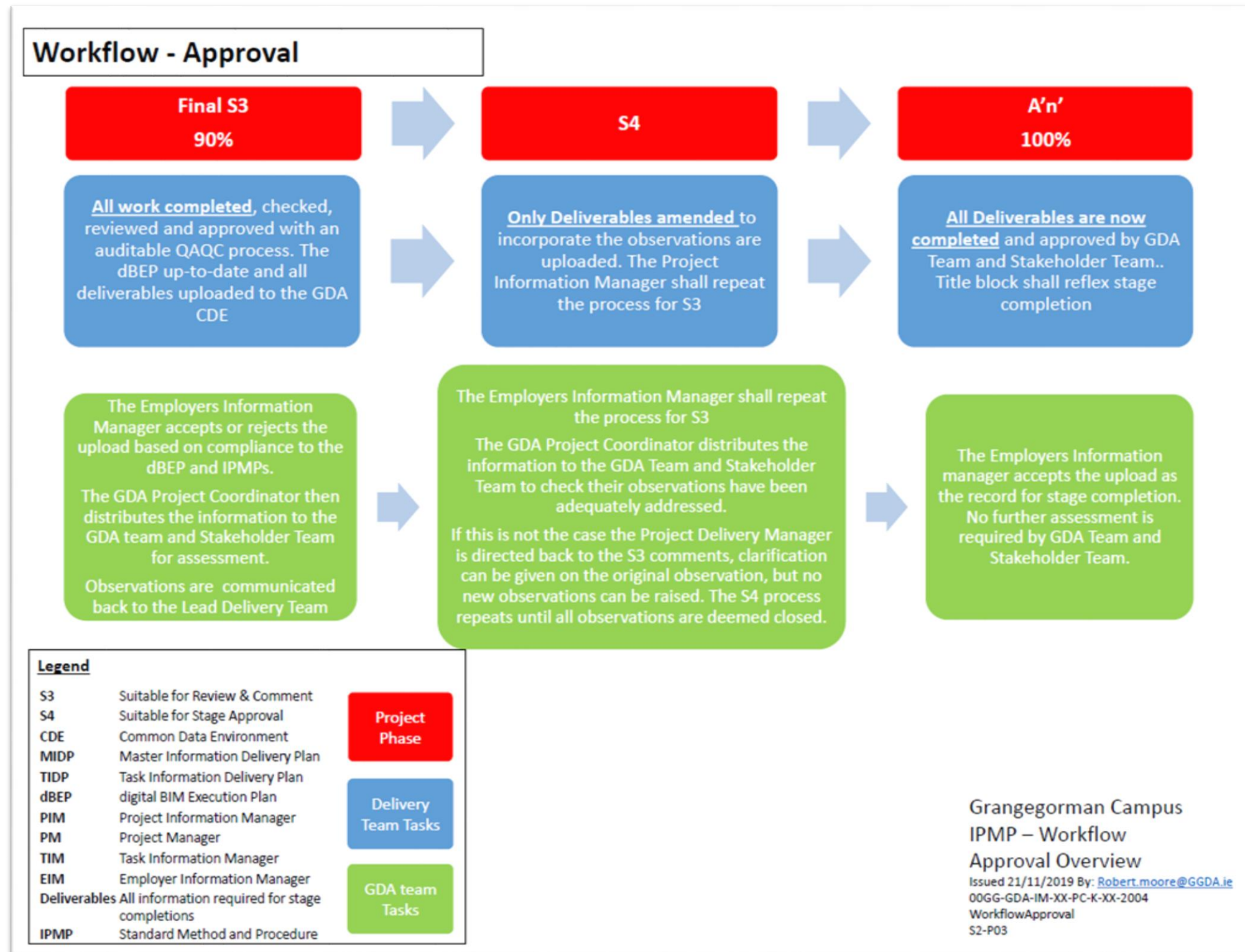
- 1.0 SYSTEM SET-UP
- 2.0 DRAWING TYPES & NUMBERING
- 3.0 TITLE BLOCKS & REVISIONS
- 4.0 LAYERING STANDARD
- 5.0 SYMBOLS
- 6.0 GENERAL DRAUGHTING STANDARD
- 7.0 DRAWING ISSUE

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

O		P		Q		S	T	U	V	W		X
Type	Ref	information delivery strategy		BIM execution plan				proposed additions or amendments to the project's				
		approach to meeting the exchange information requirements		responsible	accountable	consulted	informed	information production methods and procedures		information standard		
		how will the appointed party approach preparing the deliverable		author of the deliverable	approve the deliverable is fit for purpose	Consulted during production of	Informed following deliverable	The methodology the Appointed party want to use to produce the deliverable (if differs from the Appointing party's IPMP)		Proposed alternatives by the Appointed party to the consistency of Project Information within the CDE		
PIR	001							Acceptance Criteria	Acceptance Criteria			
PIR	002							Acceptance Criteria	Acceptance Criteria			
PIR	003							Acceptance Criteria	Acceptance Criteria			
PIR	004							Acceptance Criteria	Acceptance Criteria			
PIR	005							Acceptance Criteria	Acceptance Criteria			
PIR	006							Acceptance Criteria	Acceptance Criteria			
PIR	007							Acceptance Criteria	Acceptance Criteria			
PIR	008							Acceptance Criteria	Acceptance Criteria			

GDA's approach to add value.

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



GDA's approach to add value.

CDE

Common Data Environment

Source of consistent quality information

CDE – Source of consistent quality information

BS EN ISO 19650-2:2018

ISO 19650-2:2018(E)

3.3.15

common data environment

CDE

agreed **source of information** (3.3.1) for any given project or *asset* (3.2.8), for collecting, managing and disseminating each *information container* (3.3.12) **through a managed process**

Note 1 to entry: A CDE workflow describes the processes to be used and a **CDE solution** can provide the technology to support those processes.

The environment

- Shared information (Technical solution)
- Consistent information
- Quality Assurance process

CDE – source of consistent quality information

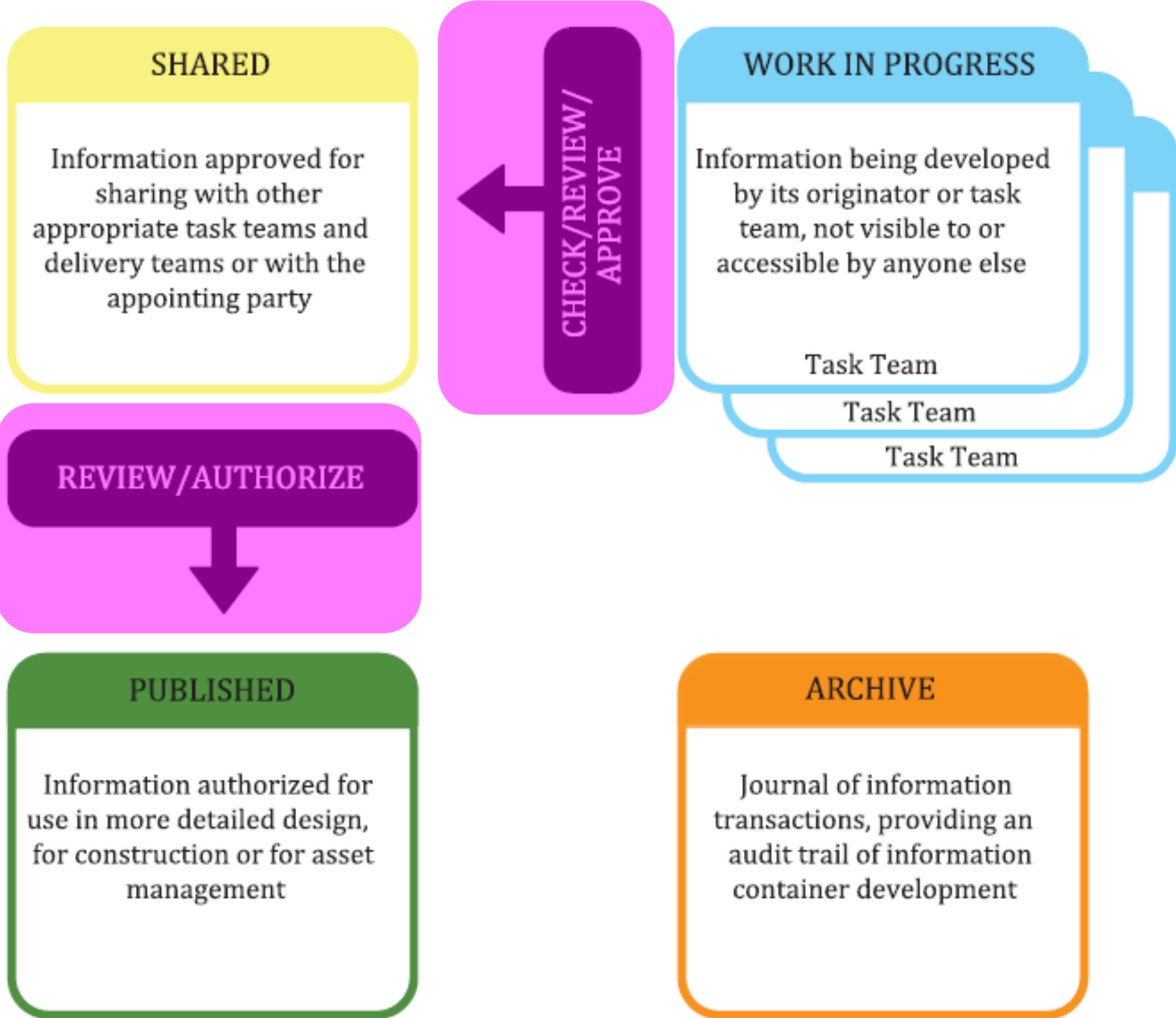
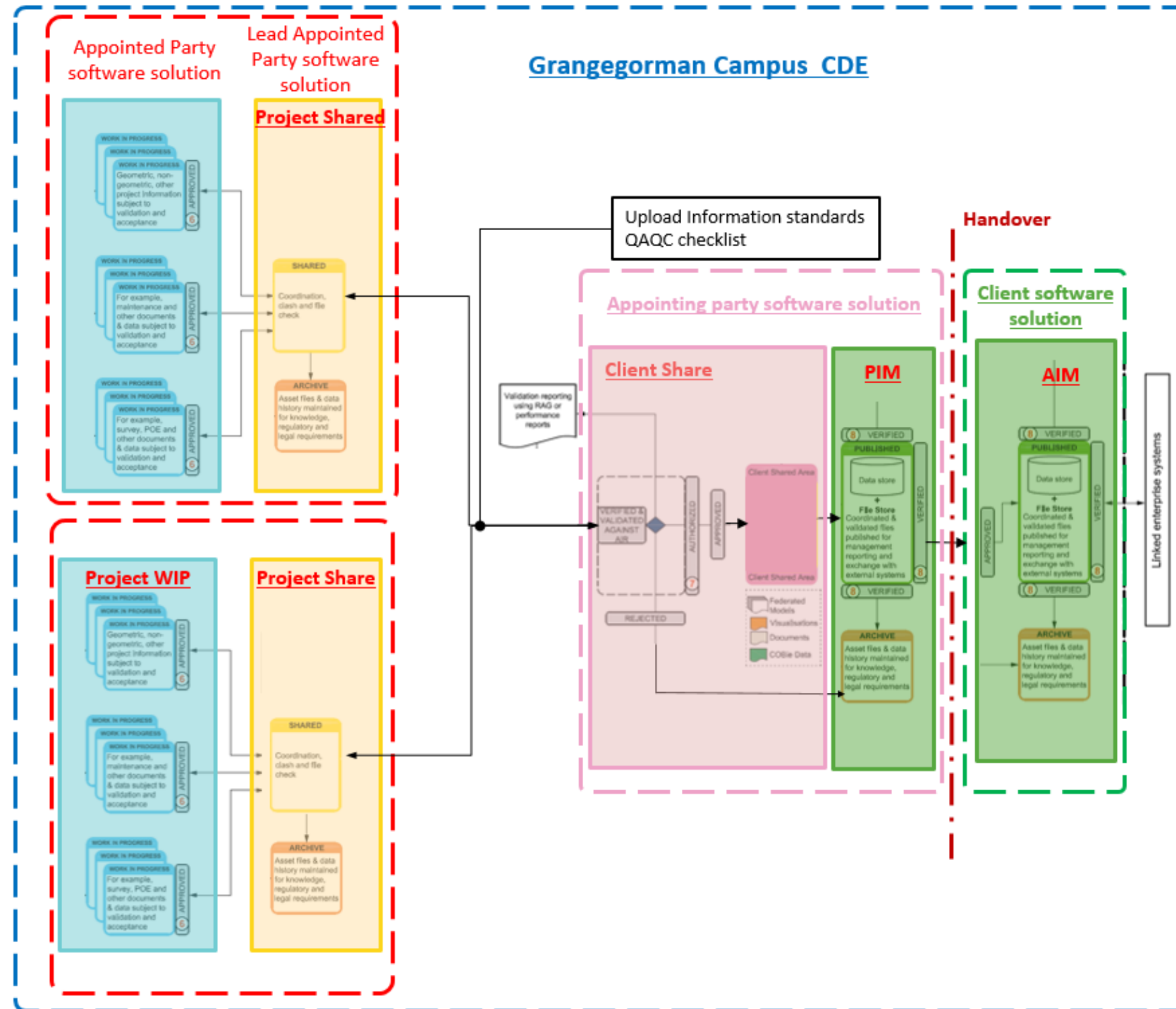


Figure 10 — Common data environment (CDE) concept

CDE – source of consistent quality information



GDA's approach to add value.

TIDP/MIDP

Task Information Delivery Plan/

Master Information Delivery Plan

Information delivery programme and

Information deliverables schedule

TIDP/MIDP - Information delivery programme and Information deliverables schedule

3.1.3.4

task information delivery plan

TIDP

schedule of information containers and delivery dates, for a specific task team

3.1.3.3

master information delivery plan

MIDP

plan incorporating all relevant *task information delivery plans* ([3.1.3.4](#))

Task requirement

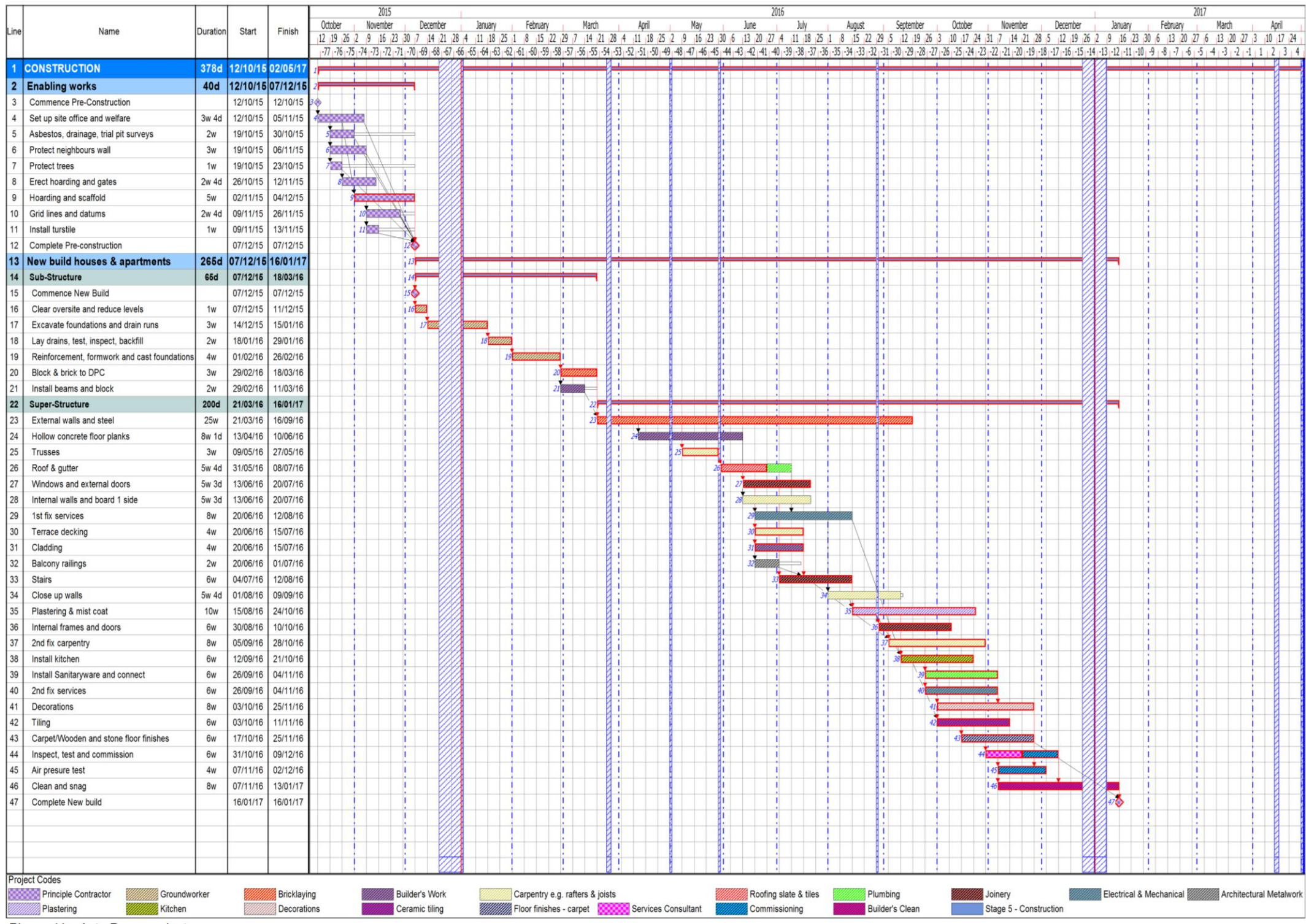
- **Task responsibilities**
- **Task dependencies**
- **Task duration**

Master requirement

- **Task start and end dates**
- **review and authorize**

TIDP/MIDP - Information delivery programme

(this is not new)



This should look the same as a construction programme, as we are virtually constructing the asset.

TIDP/MIDP - Information deliverable schedule

Order	Heading (Handover)	Project	Appointed party	Volumes and systems	Levels and locations	Type	Role	Classification	Number	Description	Object (Classification Name)	File Name	Title (Description defined)	Format	Review & Comment	Stage Approval	Design Approval			
<p>Deliverables schedule</p> <p>The GDA require all documentation to be named, as per, the GDA's naming convention, current at the time of appointment (confirm latest revision with the GDA), proposed naming shall be confirmed with the GDA 8 weeks post Starting Date</p> <p>The GDA require along with any merged documents, such as, Safety File (as per, Safety, Health and Welfare at Work Act 2005 requirements), O&M Manual (as per, ISO 19650-1 clause 5.1), all the individual files that make up these documents and</p> <p>The GDA require all documentation to be prepared according to the Acceptance Criteria and GDA templates shall be used where available</p> <p>GDA's naming convention: https://gda.sharepoint.com/sites/Shared%20InformationManagement/CDEIM/PC/00GG-GDA-IM-XX-PC-K-XX-1002-NamingDocument.pdf</p>															<p>CWMF Stages</p> <p>Design Build Contract</p> <p>Traditional Contract</p> <p>CWMF Previews</p> <p>Purpose</p>			<p>1(i) Preliminary</p> <p>Review & Comment</p> <p>Stage Approval</p> <p>Design Approval</p>		
14	02 Planning Pack	???	???	P3PS	SIPR	DR	A	En_42_40_80	0010	PPermSiteLayout	Sports buildings	???.???.P3PS-SIPR-DR-A-En_42_40_80-0010-PPermSiteLayout.pdf	Planning Permission Site Layout Plan	.pdf	P04	P06	A1			
15	02 Planning Pack	???	???	P3PS	SIPR	DR	A	En_42_40_80	0011	PPermLocationMap	Sports buildings	???.???.P3PS-SIPR-DR-A-En_42_40_80-0011-PPermLocationMap.pdf	Planning Permission Site Location Map	.pdf						
16	02 Planning Pack	???	???	P3PS	SIPR	DR	A	En_42_40_80	0012	PPermContextMap	Sports buildings	???.???.P3PS-SIPR-DR-A-En_42_40_80-0012-PPermContextMap.pdf	Planning Permission Site Context Map	.pdf						
17	02 Planning Pack	???	???	P3PS	00	DR	A	En_42_40_80	2000	PPermFloorPlan	Sports buildings	???.???.P3PS-00-DR-A-En_42_40_80-2000-PPermFloorPlan.pdf	Planning Permission Proposed Plan	.pdf						
18	02 Planning Pack	???	???	P3PS	00	DR	A	En_42_40_80	2002	PPermElevationsSect	Sports buildings	???.???.P3PS-00-DR-A-En_42_40_80-2002-PPermElevationsSect.pdf	Planning Permission Elevations and Sections	.pdf						
19	02 Planning Pack	???	???	P3PS	ZZ	DR	A	En_42_40_80	3000	PPermContiguousElev	Sports buildings	???.???.P3PS-ZZ-DR-A-En_42_40_80-3000-PPermContiguousElev.pdf	Planning Permission Contiguous Elevations	.pdf						
20	02 Planning Pack	???	???	P3PS	SIPR	DR	C	En_42_40_80	0002	PPermDrainage	Sports buildings	???.???.P3PS-SIPR-DR-C-En_42_40_80-0002-PPermDrainage.pdf	Planning Permission Drainage Layout	.pdf						
21	03 Fire Certificate	???	???	P3PS	XX	RP	A	En_42_40_80	0101	PFireReport	Sports buildings	???.???.P3PS-XX-RP-A-En_42_40_80-0101-PFireReport.pdf	Fire Safety Certificate Report	.pdf						
22	03 Fire Certificate	???	???	P3PS	SIPR	DR	A	En_42_40_80	0001	PFireSiteLocationMap	Sports buildings	???.???.P3PS-SIPR-DR-A-En_42_40_80-0001-PFireSiteLocationMap.pdf	Fire Safety Certificate Site Location Map	.pdf						
23	03 Fire Certificate	???	???	P3PS	SIPR	DR	A	En_42_40_80	0002	PFireSiteLayout	Sports buildings	???.???.P3PS-SIPR-DR-A-En_42_40_80-0002-PFireSiteLayout.pdf	Fire Safety Certificate Site Layout Plan	.pdf						
24	03 Fire Certificate	???	???	P3PS	00	DR	A	En_42_40_80	1000	PFireFloorPlan	Sports buildings	???.???.P3PS-00-DR-A-En_42_40_80-1000-PFireFloorPlan.pdf	Fire Safety Certificate Floor Plan	.pdf						
25	03 Fire Certificate	???	???	P3PS	ZZ	DR	A	En_42_40_80	2000	PFireElevationsSect	Sports buildings	???.???.P3PS-ZZ-DR-A-En_42_40_80-2000-PFireElevationsSect.pdf	Fire Safety Certificate Elevations Sections	.pdf						
26	04 Disabled Access Certificate	???	???	P3PS	XX	RP	A	En_42_40_80	0101	PDisReport	Sports buildings	???.???.P3PS-XX-RP-A-En_42_40_80-0101-PDisReport.pdf	Disability Access Certificate Report	.pdf						
27	04 Disabled Access Certificate	???	???	P3PS	SIPR	DR	A	En_42_40_80	0001	PDisSiteLocationPlan	Sports buildings	???.???.P3PS-SIPR-DR-A-En_42_40_80-0001-PDisSiteLocationPlan.pdf	Disability Access Certificate Site Location Plan	.pdf						
28	04 Disabled Access Certificate	???	???	P3PS	00	DR	A	En_42_40_80	1000	PDisPlanSectElev	Sports buildings	???.???.P3PS-00-DR-A-En_42_40_80-1000-PDisPlanSectElev.pdf	Disability Access Certificate Plan Section Elevation	.pdf						
29	07 Construction Record Information	???	???	ZZ	ZZ	SH	A	Ss_25_30_20	0001	DoorSchedule	Door, shutter and hatch systems	???.???.ZZ-ZZ-SH-A-Ss_25_30_20-0001-DoorSchedule.pdf	Door Schedule - Sheet 1	.pdf						
30	07 Construction Record Information	???	???	BL	00	M2	E	Ss_70_80_33	0001	PL	General space lighting systems	???.???.BL-00-M2-E-Ss_70_80_33-0001-PL.pdf	Site Low Voltage Public Lighting Layout	.pdf						
31	07 Construction Record Information	???	???	BL	00	DR	E	Ss_70_80_33	0001	PL	General space lighting systems	???.???.BL-00-DR-E-Ss_70_80_33-0001-PL.pdf	Site Low Voltage Public Lighting Layout	.pdf						
32	07 Construction Record Information	???	???	BL	XX	SP	E	Pr_80_77_48_03	0601	LightingColumns	Aluminium lighting columns	???.???.BL-XX-SP-E-Pr_80_77_48_03-0601-LightingColumns.pdf	Aluminium Lighting Columns	.pdf						
33	07 Construction Record Information	???	???	BL	XX	SH	E	Pr_70_70_48_02	0001	Luminares	Area floodlights	???.???.BL-XX-SH-E-Pr_70_70_48_02-0001-Luminares.pdf	Luminares Schedule	.pdf						

GDA's approach to add value.

QA/QC

Quality Assurance/Quality Control

Quality (Right first and every time)

QA/QC - Quality (Right first and every time)

5.6	Information management process — Collaborative production of information.....	18
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iii

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ISO 19650-2:2018(E)

5.6.1	Check availability of reference information and shared resources.....	18
5.6.2	Generate information.....	18
5.6.3	Undertake quality assurance check.....	19
5.6.4	Review information and approve for sharing.....	19
5.6.5	Information model review.....	20
5.6.6	Activities for collaborative production of information.....	20
5.7	Information management process — Information model delivery.....	20
5.7.1	Submit information model for lead appointed party authorization.....	20
5.7.2	Review and authorize the information model.....	20
5.7.3	Submit information model for appointing party acceptance.....	21
5.7.4	Review and accept the information model.....	21
5.7.5	Activities for information model delivery.....	21

QA/QC - Quality (Right first and every time)

(this is not new)

Title:					
Scale: N.T.S. AT A1	Start Date: 10/6/96	Dwg. By: T.B.	Des. By:	Chk. By:	App. By:
Project No: XXXXXX	Drawing No: PP.01		Rev: X		

Prepared: Tom Bourke
Approved: *T Bourke*
Date: 23/9/97

Document No: QAM002
Revision: 1
Page: 19 of 79

Date:

Enter the date in the format "DAY/MONTH/YEAR" with a "/" used as a separator
i.e.

10/6/96

Drawn By:

Des. By

Chkd. By:

App. By:

Use the persons initials only that is first name / last name i.e. The checked and Approval sections are **to be signed by the engineer** using initials.

We need better accountability, like we used to have.

QA/QC - Quality (Right first and every time)

Quality Checklist		Exemplar				1(i) Preliminary										
		Datadrop	Delivery team Comments			GDA Responses	S3				S4					
						YYYYMMDD	YYYYMMDD	YYYYMMDD	YYYYMMDD	YYYYMM	YYYYMM	YYYYMM	YYYYMM	YYYYMM	YYYYMM	
		PDM	PIM	EIM	PC	PDM	PIM	EIM	PC	PDM	PIM	EIM	PC	PDM	PIM	
1	Expected information															
	a) dBEP completed and up-to-date	??	JQ	RM	??	<i>"Comment to explain the reason and extent of the exception and person in the GDA who authorized this concession"</i>										
	b) Deliverables Schedule approved by the GDA	??	JQ	RM	??											
	c) All Information labelled as per BS 1192/GDA naming	??	JQ	RM												
2	Quality Checksheet (Provide evidence if requested by GDA)															
	a) Design validation Quality Checksheet completed	??			??	<i>"Comment to explain the reason and extent of the exception and person in the GDA who authorized this concession"</i>										
	b) Model validation Quality Checksheet completed	??	??	RM												
	c) COBie validation Quality Checksheet completed	??	??	RM												
	d) Annotation/Presentation/Sheet Quality Checksheet	??	??	RM												
	e) Documentations validation Quality Checksheet completed	??	??	RM												
3	Uploaded															
	a) Required Models uploaded- M3, M2	??	JQ			<i>"Comment to explain the reason and extent of the exception and person in the GDA who authorized this concession"</i>										
	b) Required Sheets uploaded - DR	??	JQ													
	c) Required Documentations uploaded - RP, SP, SH, etc.	??	JQ	RM												
	d) Federated Clash Adjudicated Model to be supplied in NWD	??	??	RM												
	e) COBie UK 2012 sheet completed to approved LOI uploaded	??	??	RM												
	f) Upload validation Quality Checksheet completed	??	??	RM												
	GDA to check															
1	Authorization															
	a) Upload completed as per the Deliverables Schedule			RM												
	b) Information with in the COBie as expected			RM												
	c) Models "walked" by GDA			RM	??											
	d) Design completed as required for stage completion				??											
	e) Information authorized in the GDA's CDE			RM	??											
	Acceptable															
	Review comments															
	Not Acceptable															
	Not in scope															

Page 1

GDA's approach to add value.

Recap:

BIM

Using shared information containers for decision making

EIR

Schedule of information required for decision making

BEP

Methodology for the production, management and uses of information

CDE

Source of consistent quality information

TIDP/MIDP

Information delivery programme and Information deliverables schedule

QA/QC

Quality (Right first and every time)

Final thoughts:

We need to make Digital Construction more accessible to *People*.

We need to ensure what we're asking *People* to do adds value,
and make sure it's not just a tick box exercise.

Information Management is about ensuring *People* have reliable Information,
People need the right information to make the right decision.

People have been doing Information Management for years.

We don't have all the answers.
But, we are starting to ask better questions.