SFT Standard Information Management Plan

Disclaimer

The Standard information management plan resources consisting of the Standard information management workbooks (Project Information Requirements and Asset Register), appendices, templates and supporting guidance, have been developed by Scottish Futures Trust (SFT) (authors). The workbooks are used to outline the appointing party *(ISO 19650-1) (Client- NEC4)* information requirements at a project level, and to inform the detailed information deliverables for each lead appointed party *(ISO19650-1) (Information Provider – NEC4*) at each project information delivery milestone according to BS EN ISO 19650 parts 1 and 2. The resources are not intended and should not be used as the sole basis for the appointment of lead appointed parties and should be developed in parallel with other appointment documents. SFT have prepared the Standard information management plan as a resource available to Scottish public authorities in procuring the delivery and handover of infrastructure facilities. The resource(s) are issued so as to be consistent with applicable standards and guidance current as at the date of publication.

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SCOTTISH FUTURES TRUST

STANDARD INFORMATION MANAGEMENT PLAN

Asset Register Workbook

between

[Appointing_Party]

and

[Lead_Appointed_Party]

on

[Project_Name]

The Asset Register workbook defines the client asset information delivery and handover requirements for the new project in the form of data and documentation, and which is required for specific products that will be installed and maintained within the new facility. The Products are categorised and listed in accordance with the Uniclass Classification system (Pr), which is managed and maintained by the NBS.

Master document control (Workbook)

Master workbook reference: SIMP3-SFT-XX-XX-WB-Z-0002-S2-P01			
Date:	Mar-24	*Contact:*	bimdeliverygroup@scottishfuturestrust.org.uk

Adopted SFT master asset list & mapping database:			V2.1_P01	Unprotect
Adopted Uniclass table versions:	Product (Pr)	Systems (Ss)	Project Management (PM)	Protect
	Vxx	Vxx	Vxx	

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Project Document Control (Workbook)

Primary Owner/ Originator:	e.g. Contracting Authority name
Reviewer:	xx
Approver:	xx
Unique ID (name):	per BS EN ISO 19650-2, National Annex
Status Code:	
Date of 1st issue:	xx

If primary ownership of this workbook changes during the latter stages of design and construction, then the above *Project Document Control* section should be updated to reflect this. An archive copy should be established prior to any changes. Information Authors may change, or there may be multiple parties contributing to different sections of the workbook over time. All contributors are to ensure they complete the below *Project Document Revision* table noting the sections updated, and description of changes. The sheets in this workbook are linked so care should be taken to not adjust the structure or add/ delete columns or rows where noted.

Project Document Revision				Section & description of changes
Author Name	Company email	Status & Revision	Date	

e.g. Peter Smith	*e.g. STR Architects*	*S2, P04*	22/04/2022	*e.g. 02 Stakeholder list update*

00: Project information

(Partial cell auto-fill from front cover)

0.1	Project Name	[Project_Name]
0.2	Appointing party (client)	[Appointing_Party]
0.3	Appointing party Information Manager	xx e.g. 3rd party xxx
0.4	Lead Appointed Party	[Lead_Appointed_Party]
0.5	LAP Information Manager	xx
0.6	Project Description	xx
0.7	Project Address	xx
0.8	Contract type	xx
0.9	Project stage commencement	xx e.g. Strategic Business Case/RIBA 0
0.10	Project stage end	xx e.g. Operation & Maintenance/RIBA 7

Project input lists

> This workbook has been pre-loaded with a Uniclass Product (Pr) table and the SFT master asset list and mapping database (sourced from Airtable). Release versions are noted in the above master document control section.
> If required, use the below ***Import*** buttons to load in a project specific Uniclass Pr table or asset list. Update the above master document control section to record any release version changes.
NB: Any new project asset lists should adopt the original master asset mapping database template, which is available from SFT upon request.

click: **Import new project Uniclass Product (Pr) table** *(.xlsx)*

path:

tally: 8150 Rows Loaded

click: **Import new project asset list and mapping database** *(.csv)*

path:

tally: 398 Rows Loaded

01: Contents & Purpose

[Project_Name]

ALL > The asset register workbook is broken down into sheets 00-08. The below colour key identifies the purpose
of each sheet and the key parties who will need to review and complete sheet related tasks. Please read these thoroughly to familiarise yourself, making sure you are aware of any sheets requiring input from yourself or your organisation.
NB: A matrix overview of all the workbook sheets and tasks is available for download from the SFT BIM Portal.
Take cognisance of the asset information grades and their associated definitions, which is adopted on sheet 04.

Sheet colour key for party review and task delivery	
Client	Contractor
All Parties	Client & Contractor

Sheet name	Sheet purpose
00: Project Information	Where information relating to the facility is recorded, including master and project document control particulars. A Uniclass product classsification table and a master asset list are also linked in here for workbook use.
02: Stakeholder Lists	For listing project stakeholders involved in the delivery of asset information such as designers, equipment suppliers, installation companies, operators and maintenance providers.
03A: O&M manual requirements	For establishing and specifying the operations and maintenance (O&M) manual information requirements at the project outset.
03B:COBie data requirements	For establishing and specifying the Construction, Operations, Building Information Exchange (COBie) asset data requirements at the project outset.
04: Asset Information Grades	For defining specific information requirements (data and documents), against common asset categories ("Grades") at the project outset.
05: Product Classification Insert	For importing and quality checking ALL project products (*Uniclass Pr classification)* code values at key information exchange points.
06: Product Responsibility Matrix	Where error-free product (Pr) values are imported from sheet 05 for asset register selection, grading and responsibility party assignment.
07: AIR Register	The asset information requirements (AIR) register is the central location to review the live asset list, the information requirements for asset types and the ability to filter down stakeholder group and individual company deliverables.
08: Maintenance Frequency	Where the final asset list is mapped to operations companies and maintenance task frequencies to help develop a detailed maintenance calendar for the new facility.

00 Project Information

This sheet is to be completed prior to issuing any content to third parties. It will contain information identifying the facility to which the asset register workbook relates, confirm ownership of the workbook itself and of the information authors who have defined the requirements and populated each respective section of the register. It also confirms the date of issue and subsequent revisions. A Uniclass product classsification table and a master asset list are also linked into this sheet for use across the wider workbook.

02 Stakeholder Lists

There are 05 columns in the *Stakeholder Lists* table, with four representing different stakeholder categories and the chronological stages for project information gathering.
The stakeholder lists contain company names only, which need to be maintained and expanded as the project evolves and companies are appointed and sub-contracted. This is important as the lists are used to populate sheet 06 - *Product Responsibility Matrix* , where information delivery responsibilities are assigned against key project stages.
Contractors may wish to include work package references alongside the suppliers and installer company names, (*e.g. WP07-SupplierXX*) which can then be filtered and grouped on sheet 07 - AIR Register.

03A O&M Manual Requirements

This sheet presents the default digital O&M manual and information handover requirements for the new facility. At the project outset the content should be reviewed by the client and the facilities/ asset management team and refined as required. A client-side information manager can assist in this activity, if appointed. Uniclass Project Management (PM) codes and descriptions have been used to structure and classify the deliverables. (e.g., P*M_70_80: Commissioning information* - Folders/ containers) (e.g., *70_80_01 : Access control commissioning certificate* - document classification)
Additional classification values can be adopted from the Uniclass Project Management table, available from NBS.
NB: The Asset Register codes in column E cells, correspond to matching codes in Sheets 04 and 07.

03B COBie data requirements

This sheet is the default Construction, Operations and Building information exchange (COBie) data requirements for the new facility. The Column D 'YES' values for 'Type' , 'Component' and 'System' sections correspond with the default requirements set out in Sheet 04.
At the project outset the content should be reviewed by the client and the facilities/ asset management team and refined as required. A client-side information manager can assist in this activity, if appointed.
Once complete, the table can be filtered to determine the data deliverables for each stage and parties.

04 Asset Information Grades

This sheet is vital for the accurate specification of the asset information requirements for the project. There are seven asset grades, each representing a common type of asset that typically requires the same information to operate it or maintain it. Default data and documentation requirements are listed against asset grades and stakeholder categories. At the project outset the content should be reviewed by the client and the facilities/ asset management team and refined as required. A client-side information manager can assist in this activity, if appointed.
NB: Data and documentation deliverables are assigned a "Y" if required, "N" if not required, or "TBC" if not known, for each asset grade. The seven asset grades are summarised below.

Grade	Name	Description	Typical Examples
GR01 ->	**Critical**	Critical to the function and use of the building, or safety of its occupants and users. Damage or operational failure of the asset may result in building evacuation, loss of productivity, or a threat to life. This would typically relate to major plant & equipment, and critical assets central to life-safety systems.	Boilers, Sprinklers, Fire and Smoke Detectors, equipment for safe access and egress etc.
GR02 ->	**MEP Specific**	A service asset that is not critical as failures will not result in building evacuation or loss of productivity but is a specific asset that may be under a manufacturer guarantee and / or cannot be replaced or maintained without product manufacturer information and performance specifications.	Intelligent devices for non-critical or lifesaving systems. Products included within manufacture specified systems or with specific performance criteria.

GR03 ->	**Fabric Specific**	A specific fabric asset that may be under a manufacturer guarantee and / or cannot be replaced or maintained without product manufacturer information and performance specifications.	Manufacturer specified products with specific performance criteria.
GR04 ->	**Valued**	An asset that is neither critical to building occupation or complex to replace and maintain, but information for future replacement needs to be known. Typically, a high value or specialist asset of significant investment where records relating to specification and replacement costs are desirable.	Specialist Equipment, IT Equipment, Electronic Consumables etc…
GR05 ->	**MEP Generic**	A non-critical and non-specific service asset that can be easily replaced and at low cost. A general fixture that is not dependant on manufacturer or performance specific information to procure, but may still be included as part of a broader planned and preventative maintenance regime.	Switches, sockets, gully and grating covers, downlights.
GR06 ->	**Fabric Generic**	A part of the building fabric that may require records relating to Manufacturer, Location, Cleaning, Construction Inspection & Test, CoSHH etc	Structural elements, fixed partitions/ ceilings with no performance criteria, FF&E, sanitaryware
GR07 ->	**N/A**	No requirement for information.	Pipe, duct, and cable tray segments

05 Product Classification Insert

This sheet is where product (Pr) classification values exported from the project (3D) models are inserted at key stages for quality data checking. The sheet has been pre-populated with the SFT Master Asset list, which can be reviewed and initially adopted by the client at the project outset.
Auto-check errors fall under categories: *Duplicate, Spelling, Continuity,* which are common issues within project models. All reported errors should be resolved by the model originators, and re-checked before the classification data is imported into Sheet 06.

06 Product Responsibility Matrix

The Product Responsibility Matrix is used to build the Asset Register. It is the central area where:

- all products are confirmed as *required, or not required* within the project asset register,
- asset register grading and respective information requirements are confirmed,
- delivery responsibilities are assigned to relevant companies for key information exchange stages.

NB: The drop-down list of company names are sourced from the populated sheet 02.
Any product classifications imported from sheet 05 and which are part of the SFT master asset database will automatically be assigned a default asset grade. Pre-graded and non-graded product values can be respectively changed or assigned using column H.

07 Asset information requirements (AIR) register

The AIR Register is the sheet that collates all of the information in this workbook into one place. It identifies the exact information that is being provided for each product on the project, and the companies responsible for providing it.

The AIR Register is extensive as it references the Uniclass product (Pr) table and data and document requirements for the products listed. Consequently there is a navigation panel at the top of the sheet to allow the user to filter, expand, and collapse the content to consult the requirements according to their needs.

Information Requirements are confirmed in the column headings and are colour coded to distinguish between alphanumerical data and documentation as follows:

Data - *Specific items of data added to the model, or an alternate data collation system*
Documents - *Document files that will form part of the digital O&M manual*

08 Maintenance Frequency

The purpose of this sheet is to extend the final asset register list into a schedule of high-level maintenance requirements which can be used by the client / operator to generate a detailed maintenance calendar for the new facility. The Asset list is automatically cross-referenced from Sheet 07 for confirming the relevant Operations Companies, associated maintenance act tasks and their required frequencies. The population of this sheet is a collaborative exercise requiring:

- The Client to confirm the Operations Company or Companies who will manage/ maintain the listed facility assets.
- The Client/ Operators to advise on the Condition Survey and Statutory Compliance requirements for the listed assets.
- The Contractor (through their Suppliers/ Installers) to confirm the manufacturers principle maintenance frequencies for the listed assets. A relevant SFG 20 code can be added, if provided by the Client, or their Operator.

02: Stakeholders List

NOTE: DO NOT ATTEMPT TO ADJUST ANY ROWS OR COLUMNS ON THIS SHEET

[Project_Name]

CLIENT > Add design company names into Column B.
CONTRACTOR > Add Supplier company and any sub-contracted Installation company names into Columns C and D.
> New companies and their sub-contractors may need to be added at different stages of the procurement process.
> Some companies may need to be added to several columns. e.g. they are both a Supplier and Installer.
NB: The client may have to advise the Contractor on the relevant Operations Companies to complete Column F pre-handover of the new facility.
NB: Use the 'Add and Remove Row' function buttons as required for each section.

Design Disciplines	Design Companies	Supplier Companies	Installation Companies	Operations Companies
Architectural	Architectural Designer A1	Architectural Supplier A1	Architectural Installer A1	Architectural Maintainer A1
	Architectural Designer A2	Architectural Supplier A2	Architectural Installer A2	Architectural Maintainer A2
		Architectural Supplier A3	Architectural Installer A3	Architectural Maintainer A3
		Architectural Supplier A4	Architectural Installer A4	Architectural Maintainer A4
Remove Row Add Row				
Civils	Civils Designer C1	Civils Supplier C1	Civils Installer C1	Civils Maintainer C1
Remove Row Add Row				
MEP	MEP Designer M1	MEP Supplier M1	MEP Installer M1	MEP Maintainer M1
Remove Row Add Row				
Structural	Structural Designer S1	Structural Supplier S1	Strcutural Installer S1	Structural Maintainer S1
Remove Row Add Row				
Landscape	Landscape Designer L1	Landscape Supplier L1		
Remove Row Add Row				
Specialist	Specialist TBC			
Remove Row Add Row				

03A: O&M manual requirements

[Project_Name]

NB: This sheet is the default digital operations & maintenance manual handover requirements for the new facility.
CLIENT > This sheet should be reviewed and refined (if required) at the project outset by the client and the facility/ asset management team. A client-side Information Manager can assist in this activity, if appointed.
NB: The information requirements, responsibilities and pre-handover training needs should be established via Columns A, F, I & J. Column B indicates default information required for Scottish Building Standards completion certficate submission.
NB: Any necessary table adjustments should be in accordance with Uniclass Project Management (PM) & System (Ss) tables. Refer to sheet 00 to confirm which Uniclass table versions have been adopted on this project.

Project require ment?	Reqd for Building Standards completion certificate submission	PM Code	(PM) Description	Asset register ref	Information handover requirements	System (Ss) Code	(Ss) Description	Resp lead party for information delivery <picklist>	Client pre-demo/ training required?	Additional comments
<pick list>	<pick list>							<picklist>	<picklist>	
		PM_30_30	**Environmental information**		Copies of environmental related evidence, compliance and record information for the building asset.					
YES	YES	PM_30_30_85	**Sustainability information**		Sustainability label	NA	NA	TBC	NA	
			< add new row for each additional deliverable, PM 30_30_X or otherwise >							
		PM_40_20	**Design strategies**		Record copies of final and approved design strategies					
YES	YES	PM_40_20_30	**Fire safety strategy**		Copy of the approved fire safety strategy	NA	NA	TBC	NA	
			< add new row for each additional deliverable, PM 40_20_X or otherwise >							
		PM_40_50	**Approvals information**		A register and copies of all statutory, local and public authority approvals and consents for the building asset.					
YES	TBC	PM_40_50_12	**Building codes approval**		Copy of building warrant approval	NA	NA	Architect	NA	
TBC	TBC	PM_40_50_30	**Fire officer approval**		Copy of fire officer approval	NA	NA	Architect	NA	
YES	TBC	PM_40_50_65	**Planning permission**		Copy of project planning approval	NA	NA	Architect	NA	
			< add new row for each additional deliverable, PM 40_50_X or otherwise >							
		PM_40_60	**Project information management information**							
YES	TBC	PM_40_60_16	**COBie data set**		Project COBie data workbook reflecting all as constructed/ installed maintainable assets	NA	NA	Contractor	NA	
			< add new row for each additional deliverable, PM 40_60_X or otherwise >							
		PM_70_15	**Compliance and certification documents**	I08	Copies of all listed compliance and certification documents for any maintainable systems / product assets installed in the building.					
TBC	YES	PM_70_15_01	**Acoustic test certificate**			NA	NA	Contractor	NA	
TBC	TBC	PM_70_15_02	**Airtightness test certificate**			NA	NA	Contractor	NA	
YES	TBC	PM_70_15_07	**Building control completion certificate**			NA	NA	TBC	NA	
YES	TBC	PM_70_15_08	**Building control occupation certificate**			NA	NA	TBC	NA	
TBC	TBC	PM_70_15_13	**Chlorination certificate**			Ss_55_15	Water extraction, treatment and storage systems	Contractor	TBC	
TBC	YES	PM_70_15_25	**Emergency lighting certificate**			Ss_70_80_33	General space lighting systems	Contractor	TBC	
TBC	YES	PM_70_15_27	**Electrical test certificate**			Ss_70_30	Electricity distribution systems	Contractor	TBC	
TBC	TBC	PM_70_15_28	**Fire alarm electrical supply test certificate**			Ss_75_50_28	Fire and smoke detection and alarm systems	Contractor	TBC	
TBC	TBC	PM_70_15_29	**Fire safety acceptance certificate**			Ss_75_50_28	Fire and smoke detection and alarm systems	Contractor	NA	
TBC	TBC	PM_70_15_30	**Fire-stopping protection certificate**			Ss_25_60_30	Fire-stopping systems	Contractor	NA	
TBC	TBC	PM_70_15_31	**Fire-stopping protection register**			Ss_25_60_30	Fire-stopping systems	Contractor	NA	
TBC	YES	PM_70_15_34	**Gas installation safety certificate**			Ss_55_20_34	Gas supply systems	Contractor	TBC	
TBC	TBC	PM_70_15_40	**Incoming gas supply pressure test report**			Ss_55_20_34	Gas supply systems	Contractor	TBC	
TBC	TBC	PM_70_15_42	**Insurance certificate**			NA	NA	TBC	NA	
TBC	YES	PM_70_15_50	**Material fire performance test certificate**		Including intumescent paint/cladding certificate	NA	NA	Contractor	NA	
TBC	TBC	PM_70_15_63	**Power metering commissioning certificate**			Ss_75_70_54	Metering, monitoring and management systems	Contractor	NA	
TBC	TBC	PM_70_15_65	**Primary fresh air supply test certificate**			Ss_65_40_33	General space ventilation systems	Contractor	TBC	
TBC	TBC	PM_70_15_76	**Secondary and backup electricity supplies test certificate**			Ss_70_30	Electricity distribution systems	Contractor	TBC	
TBC	TBC	PM_70_15_80	**Smoke and fire alarm and fire suppression system telephone lines test results**			Ss_75_50_28	Fire and smoke detection and alarm systems	Contractor	TBC	
TBC	TBC	PM_70_15_82	**Soak test results**					TBC	NA	
TBC	TBC	PM_70_15_84	**Structured data cabling test certificate**			Ss_75_10_21	Data distribution and telecommunications systems	Contractor	NA	
TBC	YES	PM_70_15_91	**Unvented hot water competence certificate**			Ss_55_70_38	Hot and cold water supply systems	Contractor	NA	
TBC	TBC	PM_70_15_96	**Water quality and flushing test certificate**		For water distribution systems in relation to flushing, cleaning and chemical dosing certificates	Ss_55_15	Water extraction, treatment and storage systems	Contractor	TBC	
			< add new row for each additional deliverable, PM 70_15_X or otherwise >							
		PM_70_30	**Equipment certification documents**	I08	Copies of all equipment certification for any maintainable systems / product assets installed in the building.					
TBC	TBC	PM_70_30_02	**Air handling unit commissioning certificate**			Ss_65	Ventilation and air conditioning systems	Contractor	TBC	
TBC	YES	PM_70_30_06	**Boiler commissioning certificate**			Ss_60_40_37	Heating systems	Contractor	TBC	
TBC	TBC	PM_70_30_10	**Building management systems (BMS) commissioning certificate**			Ss_75_70	Control and management systems	Contractor	TBC	
TBC	TBC	PM_70_30_15	**Closed-circuit television (CCTV) commissioning certificate**			Ss_75_40_53_86	Surveillance CCTV systems	Contractor	TBC	
TBC	TBC	PM_70_30_22	**Disabled alarms and disabled refuge alarm testing certificate**			Ss_75_50_11	Emergency call systems	Contractor	TBC	
TBC	TBC	PM_70_30_26	**Equipment safety certificate**			Ss_75_50	Safety and protection systems	Contractor	TBC	
TBC	TBC	PM_70_30_27	**Fire hydrant and mains commissioning certificate**			Ss_55_30_96	Water firefighting systems	Contractor	TBC	
TBC	TBC	PM_70_30_28	**Fire-rated doors test certificate**			Ss_25_30_20_25	Doorset systems	Contractor	TBC	
TBC	YES	PM_70_30_29	**Fire-rated glazing and framing test certificate**			Ss_25_60_35_30	Fire-resistant glazing systems	Contractor	NA	
TBC	YES	PM_70_30_30	**Fire and smoke damper test certificate**			Ss_65	Ventilation and air conditioning systems	Contractor	NA	
TBC	TBC	PM_70_30_47	**Lightning protection certificate**			Ss_75_30_25_45	Lightning protection systems	Contractor	TBC	
TBC	TBC	PM_70_30_78	**Security and intruder alarm commissioning certificate**			Ss_75_40_75	Security detection alarm systems	Contractor	TBC	
TBC	YES	PM_70_30_79	**Smoke curtain drop test and commissioning certificate**			Ss_25_30_29	Fire and smoke curtain systems	Contractor	TBC	
TBC	TBC	PM_70_30_83	**Sprinkler installation test certificate**			Ss_55_30_98_85	Sprinkler systems	Contractor	TBC	
TBC	TBC	PM_70_30_92	**Uninterruptible power supply (UPS) test certificate**			Ss_70_30_45_92	Uninterruptible power supply systems	Contractor	TBC	
TBC	TBC	PM_70_30_97	**Window certificates**			Ss_25_30_95_95	Window systems	Contractor	NA	
			< add new row for each additional deliverable, PM 70_30_X or otherwise >							
		PM_70_40	**Installation inspection information**		Copies of installation inspection information.					
TBC	YES	PM_70_40_23	**Drain test inspection report**			Ss_50_30	Above-ground drainage collection systems	Contractor	NA	
TBC	YES	PM_70_40_28	**Fire-rated doors installation inspection report**			Ss_25_30_20_25	Doorset systems	Contractor	NA	
TBC	YES	PM_70_40_30	**Fire-stopping installation inspection report**			Ss_25_60_30	Fire-stopping systems	Contractor	NA	
TBC	YES	PM_70_40_75	**Safety glass installation inspection report**		Evidence of fitted safety glass	Ss_25_60_35	Glazing systems	Contractor	NA	
			< add new row for each additional deliverable, PM 70_40_X or otherwise >							
		PM_70_70	**Structural testing information**		Copies of structural testing information.					
TBC	YES	PM_70_70_74	**Roof truss certificate**			Ss_30_10	Roof structure systems	Contractor	NA	
TBC	YES	PM_70_70_96	**Wall ties and structural restraint inspection report**			Ss_25_10	Framed wall systems	Contractor	NA	

			< add new row for each additional deliverable, PM 70_70_X or otherwise >							
		PM_70_75	**Testing information**	**I09**	Copies of all testing information for any maintainable systems / product assets installed in the building.					
TBC	TBC	**PM_70_75_01**	**Acoustic test report**			NA	NA	TBC	TBC	
TBC	TBC	**PM_70_75_02**	**Air distribution test report**			Ss_65	Ventilation and air conditioning systems	Contractor	NA	
TBC	YES	**PM_70_75_04**	**Air leakage test certificate**			Ss_65	Ventilation and air conditioning systems	Contractor	NA	
TBC	TBC	**PM_70_75_05**	**Air quality test certificate**			Ss_65	Ventilation and air conditioning systems	Contractor	NA	
TBC	TBC	**PM_70_75_08**	**Boiler test report**			Ss_60_40_37	Heating systems	Contractor	NA	
TBC	TBC	**PM_70_75_10**	**Chlorination test report**			Ss_55_15	Water extraction, treatment and storage systems	Contractor	NA	
TBC	TBC	**PM_70_75_15**	**Control system test report**			Ss_75_70	Control and management systems	Contractor	NA	
TBC	TBC	**PM_70_75_21**	**Disabled alarms and disabled refuge alarm test report**			Ss_75_50	Safety and protection systems	Contractor	NA	
TBC	TBC	**PM_70_75_22**	**Drainage leakage test results**			Ss_50	Disposal systems	Contractor	NA	
TBC	TBC	**PM_70_75_23**	**Ductwork cleaning test certificate**			Ss_65_40	Ventilation systems	Contractor	NA	
TBC	TBC	**PM_70_75_25**	**Ductwork pressure test certificate**			Ss_65_40	Ventilation systems	Contractor	NA	
TBC	TBC	**PM_70_75_27**	**Electrical installation test report**			Ss_70_30	Electricity distribution systems	Contractor	NA	
TBC	TBC	**PM_70_75_28**	**Emergency lighting test report**			Ss_70_30_25	Electrical protection systems	Contractor	NA	
TBC	TBC	**PM_70_75_30**	**Fire protection installation test report**			Ss_75_50	Safety and protection systems	Contractor	NA	
TBC	YES	**PM_70_75_31**	**Fire alarm test certificate**			Ss_75_50	Safety and protection systems	Contractor	NA	
TBC	TBC	**PM_70_75_36**	**Heating installation test report**			Ss_60_40_37	Heating systems	Contractor	NA	
TBC	TBC	**PM_70_75_37**	**High-voltage electrical installation test report**			Ss_70_30	Electricity distribution systems	Contractor	NA	
TBC	TBC	**PM_70_75_40**	**Information and communications technology (ICT) infrastructure test report**			Ss_75_10	Communications systems	Contractor	NA	
TBC	TBC	**PM_70_75_47**	**Lifts test report**			Ss_80_50	Lift systems	Contractor	NA	
TBC	TBC	**PM_70_75_48**	**Lighting lux level test report**			Ss_70_80	Lighting systems	Contractor	NA	
TBC	TBC	**PM_70_75_49**	**Lightning protection installation test report**			Ss_70_30_25_45	Lightning protection systems	Contractor	NA	
TBC	TBC	**PM_70_75_63**	**Pipeline pressure test certificate**			Ss_55	Piped supply systems	Contractor	NA	
TBC	TBC	**PM_70_75_65**	**Pressure system installation test report**			Ss_55	Piped supply systems	Contractor	NA	
TBC	TBC	**PM_70_75_68**	**Public health installation test report**			Ss_55_70	Water distribution and supply systems	Contractor	NA	
TBC	TBC	**PM_70_75_83**	**Sound and lighting systems test report**			Ss_70_80	Lighting systems	Contractor	NA	
TBC	TBC	**PM_70_75_85**	**Surveillance equipment installation test report**			Ss_75_40_53	Monitoring systems	Contractor	NA	
TBC	TBC	**PM_70_75_88**	**Telecommunications installation test report**			Ss_75_10_21_88	Telecommunications systems	Contractor	NA	
TBC	TBC	**PM_70_75_94**	**Ventilation test report**			Ss_65_40	Ventilation systems	Contractor	NA	
TBC	TBC	**PM_70_75_96**	**Water distribution installation test report**			Ss_55_70	Water distribution and supply systems	Contractor	NA	
			< add new row for each additional deliverable, PM 70_75_X or otherwise >							
		PM_70_80	**Commissioning information**	**I08**	Record and copies of all commissioning reports and certificates for any maintainable systems / assets installed in the building. Min. information to include: • plant information (model, type) • measurement information and points • used test equipment • details of calibration certificates • For handover, a statement of whether design requirements were achieved.					
TBC	TBC	**PM_70_80_01**	**Access control commissioning certificate**			Ss_75_40_02	Access control systems	Contractor	TBC	
TBC	TBC	**PM_70_80_02**	**Air distribution systems commissioning report**			Ss_65	Ventilation and air conditioning systems	Contractor	TBC	
TBC	TBC	**PM_70_80_03**	**Air conditioning systems commissioninng certificate**			Ss_65	Ventilation and air conditioning systems	Contractor	TBC	
TBC	TBC	**PM_70_80_05**	**Audiovisual systems commissioning and acceptance certificate**			Ss_75_10	Communications systems	Contractor	TBC	
TBC	TBC	**PM_70_80_14**	**Communications systems commissioning certificate**			Ss_75_10	Communications systems	Contractor	TBC	
TBC	TBC	**PM_70_80_15**	**Control system commissioning report**			Ss_75_70	Control and management systems	Contractor	TBC	
TBC	YES	**PM_70_80_24**	**Dry fire main commissioning certificate**			Ss_55_30_96_25	Dry riser systems	Contractor	TBC	
TBC	TBC	**PM_70_80_28**	**Emergency lighting installation commissioning report**			Ss_70_30_25	Electrical protection systems	Contractor	TBC	
TBC	TBC	**PM_70_80_30**	**Fire alarm system commissioning certificate**			Ss_75_50	Safety and protection systems	Contractor	TBC	
TBC	YES	**PM_70_80_31**	**Fire suppression system commissioning certificate**			Ss_55_30	Fire-extinguishing systems	Contractor	TBC	
TBC	TBC	**PM_70_80_42**	**Induction loop commissioning certificate**			Ss_75_10_46	Listening systems	Contractor	TBC	
TBC	YES	**PM_70_80_46**	**Lifts commissioning certificate**			Ss_80_50	Lift systems	Contractor	TBC	
TBC	TBC	**PM_70_80_47**	**Lifts commissioning report**			Ss_80_50	Lift systems	Contractor	TBC	
TBC	TBC	**PM_70_80_48**	**Lighting commissioning report**			Ss_70_80	Lighting systems	Contractor	TBC	
TBC	TBC	**PM_70_80_49**	**Lighting control certificate**			Ss_70_80	Lighting systems	Contractor	TBC	
TBC	TBC	**PM_70_80_77**	**Security system commissioning report**			Ss_75_40	Security systems	Contractor	TBC	
TBC	YES	**PM_70_80_79**	**Smoke extract and control system commissioning certificate**			Ss_65_40_80	Smoke extract and control systems	Contractor	TBC	
TBC	TBC	**PM_70_80_80**	**Smoke extract and control system commissioning report**			Ss_65_40_80	Smoke extract and control systems	Contractor	TBC	
TBC	TBC	**PM_70_80_85**	**Surveillance system installation commissioning report**			Ss_75_40_53	Monitoring systems	Contractor	TBC	
TBC	TBC	**PM_70_80_89**	**Toilet alarm commissioning certificate**			Ss_75_50_11	Emergency call systems	Contractor	TBC	
TBC	YES	**PM_70_80_94**	**Ventilation commissioning certificate**			Ss_65_40	Ventilation systems	Contractor	TBC	
TBC	TBC	**PM_70_80_96**	**Water distribution commissioning report**			Ss_55_70	Water distribution and supply systems	Contractor	TBC	
			< add new row for each additional PM 70_80_X deliverable >							
		PM_70_85	**Completion information**		Copies of all completion information relative to the building handover process and installed maintainable systems and associated products/ assets.					
TBC	YES	**PM_70_85_08**	**Building logbook**					Contractor	TBC	
TBC	TBC	**PM_70_85_10**	**Building manual**		Refer to BSRIA 26 building manual as suggested baseline template. Min. information to include : building identifier details, general contact details, Building and floor plan layouts, An overview of the buildings design intent & construction principles. A summary of each installed system. min. to include: • design/ condition parameters • services required to operate • intended method of control			Contractor	NA	
TBC	YES	**PM_70_85_25**	**End user operating information:**	**S32**	Recommended strategy for operation and control of each engineering system and associated assets inc. an outline of the general operating mode. To include: • both normal and emergency conditions • target figures for energy consumption and energy costs			Contractor	NA	
TBC	TBC	**PM_70_85_25_01**	**_Control**	**S33**	Control information (requirements & records for up to handover) min. to include asset: • location • effect •object • sequence • limits of capability • modes • set points. . interlocks information between different plants inc. • cause and effect details for each. *NB: The project COBie data deliverable may provide part of the above information.*			Contractor	NA	
TBC	TBC	**PM_70_85_25_02**	**_Lubrication**	**S34**	A schedule of plant requiring lubrication. Min. information to include: • manufacturers recommendations on lubrication types • any British Standard references • method of frequency and application • any product related special storage and handling requirements.			Contractor	NA	
TBC	TBC	**PM_70_85_25_03**	**_Modifications**	**S37**	A record of permitted modifications allowed by manufacturers and/ or system designers for installed plant and/or systems. Provide a blank log for recording future modifications and changes as they occur, including a recommended QA procedure for upkeep in the operational phase.			Contractor	NA	
TBC	TBC	**PM_70_85_25_04**	**_Disposal**	**S38**	A record of disposal instructions particularly in relation to known hazards or dangers. Min. to include: • Any known dangers likely to arise during the disposal of specific items of plant or equipment, together with the necessary precautions and safety measures • Methods for safely disposing of or destroying the equipment or parts thereof, including packaging, insulation and fluids • Links to sources from which further advice can be obtained • Recycling information for the specific item of plant.			Contractor	NA	

TBC	TBC	PM_70_85_30	Final inspection report	I09				Contractor	NA	
TBC	TBC	PM_70_85_35	Handover strategy		A handover and commissioning plan to be developed and agreed between parties at the pre-construction project phase and used to monitor and support the management of the building asset and information handover process. A table of key project delivery dates (e.g. Start of works, Practical completion, Handover, Defects Liability period) should be included.			Contractor	NA	
TBC	TBC	PM_70_85_40	Health and safety file	D14, S29, I10	To include but not limited to : certificates, hazard & safety precautions statement. O&M safety information in relation to working access, working zones, future plant removal, safe operating procedures (SOP & EOP), and the means by which potentially hazardous plant can be made safe.			TBC	NA	
TBC	TBC	PM_70_85_45	List of spares and consumables	S36	A Spares policy including recommended and handover stock levels. A parts identification list. min. to include: • details of replaceable assemblies, sub-assemblies and components based on manufacturers/ suppliers recommendations for spares & running spares. • details of local stockists where applicable.			Contractor	NA	
TBC	TBC	PM_70_85_50	Maintenance schedules	S34	Maintenance schedules for all preventative maintenance tasks, based on manufacturers recommendations or other statutory or mandatory requirements. Task frequencies to be included. Additional information may include details on required: • Inspections • Examinations • Tests • Adjustments • Calibration • Lubrication • Periodic overhaul.			Contractor	NA	
TBC	TBC	PM_70_85_52	Manufacturer information	S28	A complete set of manufacturers literature and information for maintainable assets, plant and equipment installed and assembled within the building and services systems. Individual literature content should be provided for each installed asset type (i.e., full library catalogues or grouped .pdf documentation for a range of different asset types is not permitted). Each document should be named in accordance with the project defined document naming and asset naming / code conventions, in full alignment with the final asset register. As a min. the handover should include, where relevant: • Description of the product as purchased • The date of purchase • Performance / behavioural characteristics of the equipment in use • Applications (suitability for use) • Operation and maintenance details •Labour, plant, materials and spatial resources required • Methods of operation and control (covered by PM_70_85_25 and PM_70_85_55) • Cleaning and maintenance requirements • Protective measures • Labour safety and welfare associated with the equipment • Public safety considerations. *NB: The project COBie data deliverable may provide part of the above information.*			Contractor	NA	
TBC	TBC	PM_70_85_55	Operating instruction	S32, S35	Standard operating (SOP) and emergency operating procedures (EOP) inc. standby plant. Min. to include: • start-up sequences • running and shut-down under normal and emergency conditions. • Provide photographs and/ or video (TBC) recordings of SOP's & EOP's. Record of procedures for the logical diagnosis and correction of faults. *NB: Linked to health & safety.*			Contractor	NA	
TBC	TBC	PM_70_85_60	Plant logbook		A log for recording plant operations. min. to include: •plant running hours •energy consumption energy costs.			Contractor	NA	
TBC	TBC	PM_70_85_64	Project completion report					Contractor	NA	
TBC	TBC	PM_70_85_83	Supplier directory		A record of delivery team details (*designers, contractor, supply chain*) all manufacturers and suppliers. Min. data to include: • name • address • e-mail addresses of the appropriate contacts • address • telephone number • website in alphabetical order of name. *NB: The project COBie data deliverable may provide part of the above information.*			Contractor	NA	
TBC	TBC	PM_70_85_90	Training documentation	S39	Refer to SOP and EOP operating instruction delivery requirements • photographs and/ or video (TBC) recordings. A list of required pre-handover operator and user training / demonstrations should be provided by the client to the contractor at tender stage.			Contractor	NA	Training requirements for each applicable system to be specified by client at the project outset
TBC	TBC	PM_70_85_93	Utilities readings					Contractor	NA	
TBC	TBC	PM_70_85_96	Works completion certificate	I08				Contractor	NA	
TBC	TBC	*Currently not listed*	Building User Guide		Refer to BSRIA 26 building user guide for a suggested baseline template.			Contractor	NA	
			< add new row for each additional deliverable, PM 70_85_X or otherwise >							
		PM_70_90	Record information	D15, D16, I07	**A directory of information providing an as-constructed / as-installed record of the building asset at handover**. The record information will be delivered by all relevant parties (including product suppliers and site installers) and as a minimum include : • layout drawings • system schematics • production drawings • schedules • 3D models • Asset data (COBie) • Room data sheets • A master document register compiled from individual party document registers shall be delivered by the contractor. **A detailed description of each installed system shall be provided and as a minimum include**: • system type • location and what it serves • dependencies • design related calculations and data • parameters & assumptions made during design process. • selection choice reasons • expected service life • planned operational efficiency. Each document should be named in accordance with the project defined document naming and asset naming / code conventions, in full alignment with the final asset register. *NB: The project COBie data deliverable may provide part of the above information .*					
TBC	TBC	PM_70_90_04	Architectural record drawings					Contractor	NA	
TBC	TBC	PM_70_90_15	Control system record drawings					Contractor	NA	
TBC	TBC	PM_70_90_27	Electrical systems record drawings					Contractor	NA	
TBC	TBC	PM_70_90_30	Fire system record drawings					Contractor	NA	
TBC	TBC	PM_70_90_46	Landscape record drawings					Contractor	NA	
TBC	TBC	PM_70_90_52	Mechanical systems record drawings					Contractor	NA	
TBC	TBC	PM_70_90_68	Public health system record drawings					Contractor	NA	
TBC	TBC	PM_70_90_77	Security system record drawings					Contractor	NA	
TBC	TBC	PM_70_90_79	Setting out records					Contractor	NA	
TBC	TBC	PM_70_90_83	Structural record drawings					Contractor	NA	
			< add new row for each additional deliverable, PM 70_90_ X or otherwise >							
		PM_70_95	Project assurance information		A record of all project assurance information delivered pre and the post handover.					
TBC	TBC	PM_70_95_21	Design compliance certificate					TBC	NA	
TBC	TBC	PM_70_95_64	Post-project evaluation information					TBC	NA	
TBC	TBC	*Currently not listed*	Quality assurance completion report					Contractor	NA	
			< add new row for each additional deliverable, PM 70_95_ X or otherwise >							
		PM_80_10	Asset strategy, planning and management information		A record of all asset information required for operational management.					
TBC	TBC	PM_80_10_05	Asset guarantee and warranty information	S30, S31	Record of all relevant manufacture's guarantees & warranties inc. start dates, expiry dates & relevant contact details			Contractor	NA	
TBC	TBC	PM_80_10_10	Asset register		Refer to SFT template and associated guidance. *Each individual asset (product) to have its own assigned asset code and corresponding site tag, verified with a photographic record of fixed installation on site.*			Contractor	NA	
TBC	TBC	PM_80_10_14	Closed-circuit television (CCTV) strategy			Ss_75_40_53_86	Surveillance CCTV systems	TBC	NA	
TBC	TBC	PM_80_10_22	Display energy certificate					Contractor	NA	
TBC	YES	PM_80_10_25	Energy performance certificate					Contractor	NA	
TBC	TBC	PM_80_10_50	Maintenance requirements	S34	Maintenance recommendations and instruction details for each item of plant and equipment installed. min. instruction information to include: • The isolation and return to service of plant and equipment • Adjustments, calibration and testing • Dismantling and re-assembly • The exchange of components and assemblies • Dealing with hazards that may arise during maintenance • The nature of deterioration and checks for defects • Special tools, test equipment and ancillary services • Decommissioning and end of life disposal.			Contractor	NA	
TBC	TBC	PM_80_10_55	Metering strategy					TBC	NA	
			< add new row for each additional deliverable, PM 80_10_ X or otherwise >							
		PM_80_15	Asset maintenance information		Copies of all information required for specific asset maintenance					
TBC	TBC	PM_80_15_31	Fire safety log book					TBC	NA	
			< add new row for each additional deliverable, PM 80_15_ X or otherwise >							
		PM_80_30	Asset life cycle cost information		A directory of cost data and information required for lifecycle operational management.					
			< add new row for each additional deliverable, PM 80_30_ X or otherwise >							
		PM_80_40	Personnel training information		Copies of all personnel prehandover training certification.					
	TBC	PM_80_40_90	Training guides and videos					TBC	YES	

			< add new row for each additional deliverable, PM 80_40_ X or otherwise >							
		PM_80_50	**Emergency strategy information**		Copies of all information required for emergency strategy planning, recovery and event response purposes.					
TBC	TBC	**PM_80_50_25**	**Disaster response strategy**		Information and site/ plan layouts on locations of essential utilities and emergency equipment. Record of contact details required in the event of an e.g. emergency, system failure or leak. examples but not limited to include: • utilities stop valves • isolators • fire hydrants • rising mains • extinguishers.			TBC	NA	
TBC	TBC	**PM_80_50_27**	**Emergency response packs**					TBC	NA	
TBC	TBC	**PM_80_50_30**	**Fire evacuation strategy**		fire strategy layouts and associated information			TBC	TBC	
TBC	TBC	**PM_80_50_80**	**Security strategy**		security strategy layouts and associated information			TBC	TBC	
			< add new row for each additional deliverable, PM 80_50_ X or otherwise >							
		PM_80_60	**Asset risk management information**		A directory of risk management information used for effective operational planning and management.					
TBC	TBC	**PM_80_60_31**	**Fire risk assessment information**					Contractor	NA	
TBC	TBC	**PM_80_60_50**	**Health and safety risk management information**	**D14, S29, I10**	record of any hazardous materials & associated risks, inc. hazards to be identified in the event of an emergency.			Contractor	NA	
TBC	TBC	**PM_80_60_70**	**Residual risk information**		record of non-eliminated residual risks.			Contractor	NA	
			< add new row for each additional deliverable, PM 80_60_ X or otherwise >							

Adopted Uniclass table versions:	Project Management (PM)	Systems (Ss)
	Vxx	Vxx

03B: COBie data requirements

[Project_Name]

NB: This sheet is the default Construction, Operations and Building information exchange (COBie) data handover requirements for the new facility.
CLIENT > This sheet should be reviewed and refined (as required) at the project outset by the client and the facilities/ asset management team. A client-side Information Manager can assist in this activity, if appointed.
NB: Once compete, Columns D-G can be filtered to determine the data deliverables for each stage and parties. The information exchange points should align with those established in the SIMP project information requirements workbook.
NB: COBie parameter values should align with the National BIM standards-US_V3_4.2, unless noted otherwise in 'comments' column.

COBie colour key	
	Required
	Reference to other sheet
	External Reference
	If specified as required
	Not required

	= Grey cells indicates no deliverable for information exchange .
	= Pale yellow cells indicates deliverable pre-assigned within Asset Information Grades.

Info Exchange 03	Info Exchange 04	Info Exchange 05
RIBA stage 3	RIBA stage 4	RIBA stage 6

Sheet Name	COBie Colour	COBie Parameter	Data Rqd (Y/N)	The below party assignment is aligned to the default 04- Asset information grades table. Parties can be reassigned using the picklist option. The picklist options can be reviewed/ updated via CoI K16-22			Comments
			<picklist>	<picklist>	<picklist>	<picklist>	
CONTACT		Email	YES	All model providers	All model providers	All model providers	
		CreatedBy	YES	All model providers	All model providers	All model providers	
		CreatedOn	YES	All model providers	All model providers	All model providers	
		Category	YES	All model providers	All model providers	All model providers	Adopt Uniclass - Ro table
		Company	YES	All model providers	All model providers	All model providers	
		Phone	TBC	TBC	TBC	TBC	
		ExternalSystem	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ExternalObject	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ExternalIdentifier	YES	All model providers	All model providers	All model providers	Auto-generated from model
		Department	TBC	TBC	TBC	TBC	
		OrganizationCode	TBC	TBC	TBC	TBC	
		GivenName	TBC	TBC	TBC	TBC	
		FamilyName	TBC	TBC	TBC	TBC	
		Street	TBC	TBC	TBC	TBC	
		PostalBox	TBC	TBC	TBC	TBC	
		Town	TBC	TBC	TBC	TBC	
		StateRegion	TBC	TBC	TBC	TBC	
		PostalCode	TBC	TBC	TBC	TBC	
		Country	TBC	TBC	TBC	TBC	
FACILITY		Name	YES	All model providers	All model providers	All model providers	
		CreatedBy	YES	All model providers	All model providers	All model providers	
		CreatedOn	YES	All model providers	All model providers	All model providers	
		Category	YES	All model providers	All model providers	All model providers	Adopt Uniclass - En table
		ProjectName	YES	All model providers	All model providers	All model providers	
		SiteName	YES	All model providers	All model providers	All model providers	
		LinearUnits	YES	All model providers	All model providers	All model providers	
		AreaUnits	YES	All model providers	All model providers	All model providers	
		VolumeUnits	YES	All model providers	All model providers	All model providers	
		CurrencyUnit	YES	All model providers	All model providers	All model providers	
		AreaMeasurement	YES	All model providers	All model providers	All model providers	
		ExternalSystem	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ExternalProjectObject	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ExternalProjectIdentifier	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ExternalSiteObject	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ExternalSiteIdentifier	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ExternalFacilityObject	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ExternalFacilityIdentifier	YES	All model providers	All model providers	All model providers	Auto-generated from model
		Description	TBC	TBC	TBC	TBC	
		ProjectDescription	TBC	TBC	TBC	TBC	
		SiteDescription	TBC	TBC	TBC	TBC	
		Phase	TBC	TBC	TBC	TBC	
FLOOR		Name	YES	All model providers	All model providers	All model providers	
		CreatedBy	YES	All model providers	All model providers	All model providers	
		CreatedOn	YES	All model providers	All model providers	All model providers	
		Category	YES	All model providers	All model providers	All model providers	
		ExtSystem	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ExtObject	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ExtIdentifier	YES	All model providers	All model providers	All model providers	Auto-generated from model
		Description	TBC	TBC	TBC	TBC	
		Elevation	TBC	TBC	TBC	TBC	
		Height	TBC	TBC	TBC	TBC	
		Name	YES	All model providers	All model providers	All model providers	
		CreatedBy	YES	All model providers	All model providers	All model providers	

SPACE		CreatedOn	YES	All model providers	All model providers	All model providers	
		Category	YES	All model providers	All model providers	All model providers	Adopt Uniclass - SL table
		FloorName	YES	All model providers	All model providers	All model providers	
		Description	YES	All model providers	All model providers	All model providers	
		ExtSystem	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ExtObject	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ExtIdentifier	YES	All model providers	All model providers	All model providers	Auto-generated from model
		RoomTag	TBC	TBC	TBC	TBC	
		UsableHeight	TBC	TBC	TBC	TBC	
		GrossArea	TBC	TBC	TBC	TBC	
		NetArea	TBC	TBC	TBC	TBC	
ZONE		Name	TBC	TBC	TBC	TBC	
		CreatedBy	TBC	TBC	TBC	TBC	
		CreatedOn	TBC	TBC	TBC	TBC	
		Category	TBC	TBC	TBC	TBC	
		SpaceNames	TBC	TBC	TBC	TBC	
		ExtSystem	TBC	TBC	TBC	TBC	Auto-generated from model
		ExtObject	TBC	TBC	TBC	TBC	Auto-generated from model
		ExtIdentifier	TBC	TBC	TBC	TBC	Auto-generated from model
		Description	TBC	TBC	TBC	TBC	
TYPE		Name	YES	Designer	Designer	Designer	
		CreatedBy	YES	Designer	Designer	Designer	
		CreatedOn	YES	Designer	Designer	Designer	
		Category	YES	Designer	Designer	Designer	Adopt Uniclass - Pr table
		Description	YES	Designer	Designer	Designer	
		AssetType	YES	Designer	Designer	Designer	
		Manufacturer	YES		Supplier	Supplier	
		ModelNumber	YES			Supplier	
		WarrantyGuarantorParts	YES			Supplier	
		WarrantyDurationParts	YES			Supplier	
		WarrantyGuarantorLabor	YES			Supplier	
		WarrantyDurationLabor	YES			Supplier	
		WarrantyDurationUnit	YES			Supplier	
		ExtSystem	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ExtObject	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ExtIdentifier	YES	All model providers	All model providers	All model providers	Auto-generated from model
		ReplacementCost	TBC	TBC	TBC	Supplier	
		ExpectedLife	TBC	TBC	TBC	Supplier	
		DurationUnit	YES			Supplier	
		WarrantyDescription	TBC	TBC	TBC	Supplier	
		NominalLength	YES		Supplier	Supplier	
		NominalWidth	YES		Supplier	Supplier	
		NominalHeight	YES		Supplier	Supplier	
		ModelReference	TBC	TBC	TBC	Supplier	
		Shape	TBC				
		Size	TBC				
		Color	TBC				
		Finish	TBC				
		Grade	TBC				
		Material	TBC				
		Constituents	TBC				
		Features	TBC				
		AccessibilityPerformance	TBC			TBC	
		CodePerformance	TBC			TBC	
		SustainabilityPerformance	TBC			TBC	
		Length	TBC				
		Area	TBC				

COMPONENT	Name	YES	Designer	Designer	Designer	
	CreatedBy	YES	Designer	Designer	Designer	
	CreatedOn	YES	Designer	Designer	Designer	
	TypeName	YES	Designer	Designer	Designer	
	Space	YES	Designer	Designer	Designer	
	Description	YES	Designer	Designer	Designer	
	ExtSystem	YES	All model providers	All model providers	All model providers	Auto-generated from model
	ExtObject	YES	All model providers	All model providers	All model providers	Auto-generated from model
	ExtIdentifier	YES	All model providers	All model providers	All model providers	Auto-generated from model
	SerialNumber	TBC			Installer	
	InstallationDate	TBC			Installer	
	WarrantyStartDate	TBC			Installer	
	TagNumber	TBC			TBC	
	BarCode	TBC			TBC	
	AssetIdentifier	TBC	Designer	Designer	Installer	
	Area	TBC		TBC	TBC	
	Length	TBC		TBC	TBC	
SYSTEM	Name	YES	Designer	Designer	Designer	
	CreatedBy	YES	Designer	Designer	Designer	
	CreatedOn	YES	Designer	Designer	Designer	
	Category	YES	Designer	Designer	Designer	Adopt Uniclass - Ss table
	ComponentNames	YES	Designer	Designer	Designer	
	ExtSystem	TBC	TBC	TBC	TBC	
	ExtObject	TBC	TBC	TBC	TBC	
	ExtIdentifier	TBC	TBC	TBC	TBC	
	Description	YES	Designer	Designer	Designer	
ASSEMBLY	Name	NO				
	CreatedBy	NO				
	CreatedOn	NO				
	AssemblyType	NO				
	SheetName	NO				
	ParentName	NO				
	ChildNames	NO				
	ExtSystem	NO				
	ExtObject	NO				
	ExtIdentifier	NO				
	Description	NO				
CONNECTION	Name	NO				
	CreatedBy	NO				
	CreatedOn	NO				
	ConnectionType	NO				
	SheetName	NO				
	RowName1	NO				
	RowName2	NO				
	RealizingElement	NO				
	PortName1	NO				
	PortName2	NO				
	ExtSystem	NO				
	ExtObject	NO				
	ExtIdentifier	NO				
	Description	NO				
SPARE	Name	NO				
	CreatedBy	NO				
	CreatedOn	NO				
	Category	NO				
	TypeName	NO				
	Suppliers	NO				
	ExtSystem	NO				
	ExtObject	NO				
	ExtIdentifier	NO				
	Description	NO				
	SetNumber	NO				
	PartNumber	NO				
RESOURCE	Name	NO				
	CreatedBy	NO				
	CreatedOn	NO				
	Category	NO				
	ExtSystem	NO				
	ExtObject	NO				
	ExtIdentifier	NO				
	Description	NO				

JOB		Name	NO				
		CreatedBy	NO				
		CreatedOn	NO				
		Category	NO				
		Status	NO				
		TypeName	NO				
		Description	NO				
		Duration	NO				
		DurationUnit	NO				
		Start	NO				
		TaskStartUnit	NO				
		Frequency	NO				
		FrequencyUnit	NO				
		ExtSystem	NO				
		ExtObject	NO				
		ExtIdentifier	NO				
		TaskNumber	NO				
		Priors	NO				
		ResourceNames	NO				
IMPACT		Name	NO				
		CreatedBy	NO				
		CreatedOn	NO				
		ImpactType	NO				
		ImpactStage	NO				
		SheetName	NO				
		RowName	NO				
		Value	NO				
		ImpactUnit	NO				
		LeadInTime	NO				
		Duration	NO				
		LeadOutTime	NO				
		ExtSystem	NO				
		ExtObject	NO				
		ExtIdentifier	NO				
		Description	NO				
DOCUMENT		Name	NO				
		CreatedBy	NO				
		CreatedOn	NO				
		Category	NO				
		ApprovalBy	NO				
		Stage	NO				
		SheetName	NO				
		RowName	NO				
		Directory	NO				
		File	NO				
		ExtSystem	NO				
		ExtObject	NO				
		ExtIdentifier	NO				
		Description	NO				
		Reference	NO				
ATTRIBUTE		Name	TBC	TBC	TBC	TBC	
		CreatedBy	TBC	TBC	TBC	TBC	
		CreatedOn	TBC	TBC	TBC	TBC	
		Category	TBC	TBC	TBC	TBC	
		SheetName	TBC	TBC	TBC	TBC	
		RowName	TBC	TBC	TBC	TBC	
		Value	TBC	TBC	TBC	TBC	
		Unit	TBC	TBC	TBC	TBC	
		ExtSystem	TBC	TBC	TBC	TBC	
		ExtObject	TBC	TBC	TBC	TBC	
		ExtIdentifier	TBC	TBC	TBC	TBC	
		Description	TBC	TBC	TBC	TBC	
		AllowedValues	TBC	TBC	TBC	TBC	

COORDINATE		Name	NO				
		CreatedBy	NO				
		CreatedOn	NO				
		Category	NO				
		SheetName	NO				
		RowName	NO				
		CoordinateXAxis	NO				
		CoordinateYAxis	NO				
		CoordinateZAxis	NO				
		ExtSystem	NO				
		ExtObject	NO				
		ExtIdentifier	NO				
		ClockwiseRotation	NO				
		ElevationalRotation	NO				
		YawRotation	NO				
ISSUE		Name	**YES**	Designer	Designer	Designer	
		CreatedBy	**YES**	Designer	Designer	Designer	COBie.Issue used to capture, document and exchange H&S risks per PAS 1192-6:2018, Clause 9.
		CreatedOn	**YES**	Designer	Designer	Designer	
		Type	**YES**	Designer	Designer	Designer	
		Risk	**YES**	Designer	Designer	Designer	
		Chance	**YES**	Designer	Designer	Designer	
		Impact	**YES**	Designer	Designer	Designer	
		SheetName1	NO				
		RowName1	NO				
		SheetName2	NO				
		RowName2	NO				
		Description	**YES**	Designer	Designer	Designer	
		Owner	**YES**	Designer	Designer	Designer	
		Mitigation	**YES**	Designer	Designer	Designer	
		ExtSystem	NO				
		ExtObject	NO				
		ExtIdentifier	NO				

04: Asset Information Grades

NOTE: DO NOT ATTEMPT TO ADJUST ANY ROWS OR COLUMNS ON THIS SHEET

[Project_Name]

CLIENT > Review the default data (yellow) and documentation (grey) deliverables for each grade (*GRxx*) and make any necessary project adjustments using the drop down cell function (changes are represented by darker cell colours). You can use the below drop down cell (5/B) to review individual grading definitions, copied from sheet 00.
> Save any table changes via the '**Save project changes**' button. This will auto update the final sheet 07 AIR Register.
> If required, use the '**Load default values**' button to reset the table or the '**Restore saved values**' button to revert to the last saved table.

GR01 ->

Critical to the function and use of the building, or safety of its occupants and users. Damage or operational failure of the asset may result in building evacuation, loss of productivity, or a threat to life. This would typically relate to major plant & equipment, and critical assets central to life-safety systems.

Action buttons >

Load default values | **Save project changes** | **Restore saved values**

Ref	Information Requirements	GR01-Critical	GR02-MEP Specific	GR03-Fabric Specific	GR04-Valued	GR05-MEP Generic	GR06-Fabric Generic	GR07-N/A
	Designer	**Default**						
D01	**Type Name**	Y	Y	Y	Y	Y	Y	N
D02	**Type Category**	Y	Y	Y	Y	Y	Y	N
D03	**Type Description**	Y	Y	Y	Y	Y	Y	N
D04	**Type Asset Type**	Y	Y	Y	Y	Y	Y	N
D05	**Component Name**	Y	Y	Y	Y	Y	Y	N
D06	**Component Type Name**	Y	Y	Y	Y	Y	Y	N
D07	**Component Space**	Y	Y	Y	Y	Y	Y	N
D08	**Component Description**	Y	Y	Y	Y	Y	Y	N
D09	**Component Asset Identifier**	Y	Y	TBC	TBC	TBC	N	N
D10	**System Name**	Y	Y	Y	Y	Y	Y	N
D11	**System Category**	Y	Y	Y	Y	Y	Y	N
D12	**System Component Names**	Y	Y	Y	TBC	TBC	TBC	N
D13	**System Description**	Y	Y	Y	Y	Y	Y	N
D14	**Health & Safety (e g related hazards and risks)**	Y	Y	Y	Y	Y	Y	N
D15	**Record Model**	Y	Y	Y	N	TBC	TBC	N
D16	**Record Drawings**	Y	Y	Y	N	TBC	TBC	N

Sample dataset

05: Insert classifications table & quality check

NOTE: DO NOT ATTEMPT TO ADJUST ANY ROWS OR COLUMNS ON THIS SHEET

[Project_Name]

NB: This sheet captures model product classifications at key project stages and performs a quality check against the Uniclass product (Pr) classification table linked in on sheet 00. This sheet is also pre-loaded with a default SFT master asset list also linked in on sheet 00.

CLIENT > At the project outset the client and the facility/ asset management team should review the pre-loaded SFT master asset list to create a list of asset types to be included in the final asset register.
> At the end of RIBA stage 3 all product classification values should be exported and combined from the design team BIM models and copied into Columns A & B for quality checking. A client-side Information Manager can assist in these activities, if appointed.
> All reported errors will require resolution by model originators before importing the project list into Sheet 06.
> Save any table changes via the **'Save project changes'** button. If required, use the **'Load default values'** button to reset and reload the SFT master asset list (or a linked project specific asset list), or the **'Restore saved values'** button to revert to the last saved table.

CONTRACTOR > The above steps should be repeated at the end of RIBA stages 4 and 5 to capture and check new product classification values, and to evolve the final project asset register.

NB: Auto-check errors fall under categories: Duplicate, Spelling, Continuity, which are common issues.
NB: If additional table rows are required, type in the required amount in cell F10 and hit enter (cell G10). The new rows will then be added at the end

Classification Report		Classification Definition Levels	
Total Classifications	398	Level 1	0
Total Errors	0	Level 2	0
Error Report		Level 3	112
Duplicate	0	Level 4	286
Spelling	0	< Check & resolve all errors	
Continuity	0		
		5	

Action buttons > [Load default values] [Save project changes] [Restore saved values]

Uniclass.Pr.Number	Uniclass.Pr.Description	Duplicates	Code Match	Description Match	Correct Description	Notes
Pr_30_36_59_15	Controlled door closers					
Pr_30_36_59_27	Electric sliding door mechanisms					
Pr_30_36_59_50	Magnetic hold					
Pr_30_59_24	Doorsets					
Pr_30_59_24_04	Automatic revolving doorsets					
Pr_30_59_24_05	Automatic swing doorsets					

Sample dataset

06: Product Responsibility Matrix

NOTE: DO NOT ATTEMPT TO ADJUST ANY ROWS OR COLUMNS ON THIS SHEET

[Project_Name]

NB: This table is used to import all error-free product classification values from sheet 05 **(Step 1)** for asset register selection, grading and responsibility party assignment.

CLIENT > At the project outset complete steps 1-4, up to Col J.
CONTRACTOR > Complete the product party assignments for Cols K, L & M. Steps 1- 4 and a table review should be completed with the client for new products added at the end of RIBA stages 4 and 5.
CLIENT & CONTRACTOR > The client can support the product party assignment for Column M.

NB: If there are multiple assignments per classification, please duplicate the classification on sheet 05 and reimport.

Defaults action buttons >

Load default values

Hide Defaults

Show Defaults

1 → Click **here** to import error-free product classifications from sheet 05

2 → Review default values. (Col C, D, E) Make any necessary project updates using the dropdown and select function (Col G, H, I)

3 → Click here to **Save Project Changes**. Refer to adjacent colour key for cell statuses

If required, click here to **Restore saved changes**

Saved defaults

Unsaved

Saved changes

4 → Assign responsible parties to all imported products, using the drop down list (source sheet 02)

5 → Click **here** to import all products and assigned values into Sheets 07 & 08.

		SFT Master Asset List Defaults			Project Updates			Responsible Party Assignment			
Product Group	Uniclass Products	SFT Required in Asset Register	SFT Asset Grade	SFT Design Discipline	Project Required in Asset Register	Project Asset Grade	Project Design Discipline	Design	Supply	Installation	Operations
Hardware products	Pr_30_36_59_15:Controlled door closers	Y	GR02-MEP Specific	MEP	Y	GR02-MEP Specific	MEP				
Hardware products	Pr_30_36_59_27:Electric sliding door mechanisms	Y	GR02-MEP Specific	MEP	Y	GR02-MEP Specific	MEP				
Hardware products	Pr_30_36_59_50:Magnetic hold	Y	GR02-MEP Specific	MEP	Y	GR02-MEP Specific	MEP				
Openings and opening component products	Pr_30_59_24:Doorsets	Y	GR03-Fabric Specific	Architectural	Y	GR03-Fabric Specific	Architectural				
Openings and opening component products	Pr_30_59_24_04:Automatic revolving doorsets	Y	GR03-Fabric Specific	Architectural	Y	GR03-Fabric Specific	Architectural				
Openings and opening component products	Pr_30_59_24_05:Automatic swing doorsets	Y	GR03-Fabric Specific	Architectural	Y	GR03-Fabric Specific	Architectural				
Openings and opening component products	Pr_30_59_36:Hatches and access panels	Y	GR06-Fabric Generic	Architectural	Y	GR06-Fabric Generic	Architectural				
Openings and opening component products	Pr_30_59_58:Operable roof ventilators	Y	GR03-Fabric Specific	Architectural	Y	GR03-Fabric Specific	Architectural				
Openings and opening component products	Pr_30_59_72:Rooflights	Y	GR03-Fabric Specific	Architectural	Y	GR03-Fabric Specific	Architectural				
Openings and opening component products	Pr_30_59_84:Shutters and grilles	Y	GR06-Fabric Generic	Architectural	Y	GR06-Fabric Generic	Architectural				
Openings and opening component products	Pr_30_59_84_30:Fire-resisting roller shutters	Y	GR03-Fabric Specific	Architectural	Y	GR03-Fabric Specific	Architectural				
Openings and opening component products	Pr_30_59_94:Ventilation grilles	Y	GR03-Fabric Specific	Architectural	Y	GR03-Fabric Specific	Architectural				
Openings and opening component products	Pr_30_59_94_04:Air ventilation grilles	Y	GR03-Fabric Specific	Architectural	Y	GR03-Fabric Specific	Architectural				
Openings and opening component products	Pr_30_59_94_31:Fire-resisting air transfer grilles	Y	GR03-Fabric Specific	Architectural	Y	GR03-Fabric Specific	Architectural				
Openings and opening component products	Pr_30_59_98:Window units	Y	GR03-Fabric Specific	Architectural	Y	GR03-Fabric Specific	Architectural				

Sample dataset

07: AIR Register (navigation table)

[Project_Name]

Sheet Options

- Expand Sheet
- Collapse Sheet
- Reduce Header
- Expand Header

Filter Requirements Columns

- View ALL Columns in Sheet
- View ***Designer*** IR's
- View ***Supplier*** IR's
- View ***Installer*** IR's
- View ***Operations***

Filter Products List

- Delete AIR
- View Products in Project
- View Required Products for Register

Tier	Asset Types (Products)		Exists in Project	Reqd for Asset Register	Asset Grade	Design Disciplines	Design Companies	Type Name	Type Category	Type Description	Type Asset Type	Component Name	Component Type Name	Component Space	Component Description	Component Asset Identifier	System Name	System Category	System Component Names	System Description	Health & Safety (e g related hazards and risks)	Record Model	Record Drawings	Supplier Companies
Tier	Code (Pr)	Uniclass (Pr) description	In Project	Rqd	Asset Grade	Discipline	Company	D01	D02	D03	D04	D05	D06	D07	D08	D09	D10	D11	D12	D13	D14	D15	D16	Supplier
1	Pr_30	Opening products	Y																					
2	Pr_30_36	Hardware products	Y																					
3	Pr_30_36_59	Opening hardware	Y																					
4	Pr_30_36_59_15	Controlled door closers	Y	Y	GR02-MEP Specific	MEP		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
4	Pr_30_36_59_27	Electric sliding door mechanisms	Y	Y	GR02-MEP Specific	MEP		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
4	Pr_30_36_59_50	Magnetic hold	Y	Y	GR02-MEP Specific	MEP		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
2	Pr_30_59	Openings and opening component products	Y																					
3	Pr_30_59_24	Doorsets	Y	Y	GR03-Fabric Specific	Architectural		Y	Y	Y	Y	Y	Y	Y	Y	TBC	Y	Y	Y	Y	Y	Y	Y	
4	Pr_30_59_24_04	Automatic revolving doorsets	Y	Y	GR03-Fabric Specific	Architectural		Y	Y	Y	Y	Y	Y	Y	Y	TBC	Y	Y	Y	Y	Y	Y	Y	
4	Pr_30_59_24_05	Automatic swing doorsets	Y	Y	GR03-Fabric Specific	Architectural		Y	Y	Y	Y	Y	Y	Y	Y	TBC	Y	Y	Y	Y	Y	Y	Y	
3	Pr_30_59_36	Hatches and access panels	Y	Y	GR06-Fabric Generic	Architectural		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	TBC	Y	Y	TBC	TBC	
3	Pr_30_59_58	Operable roof ventilators	Y	Y	GR03-Fabric Specific	Architectural		Y	Y	Y	Y	Y	Y	Y	Y	TBC	Y	Y	Y	Y	Y	Y	Y	
3	Pr_30_59_72	Rooflights	Y	Y	GR03-Fabric Specific	Architectural		Y	Y	Y	Y	Y	Y	Y	Y	TBC	Y	Y	Y	Y	Y	Y	Y	
3	Pr_30_59_84	Shutters and grilles	Y	Y	GR06-Fabric Generic	Architectural		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	TBC	Y	Y	TBC	TBC	
4	Pr_30_59_84_30	Fire-resisting roller shutters	Y	Y	GR03-Fabric Specific	Architectural		Y	Y	Y	Y	Y	Y	Y	Y	TBC	Y	Y	Y	Y	Y	Y	Y	
3	Pr_30_59_94	Ventilation grilles	Y	Y	GR03-Fabric Specific	Architectural		Y	Y	Y	Y	Y	Y	Y	Y	TBC	Y	Y	Y	Y	Y	Y	Y	
4	Pr_30_59_94_04	Air ventilation grilles	Y	Y	GR03-Fabric Specific	Architectural		Y	Y	Y	Y	Y	Y	Y	Y	TBC	Y	Y	Y	Y	Y	Y	Y	
4	Pr_30_59_94_31	Fire-resisting air transfer grilles	Y	Y	GR03-Fabric Specific	Architectural		Y	Y	Y	Y	Y	Y	Y	Y	TBC	Y	Y	Y	Y	Y	Y	Y	
3	Pr_30_59_98	Window units	Y	Y	GR03-Fabric Specific	Architectural		Y	Y	Y	Y	Y	Y	Y	Y	TBC	Y	Y	Y	Y	Y	Y	Y	
1	Pr_40	Signage, sanitary fittings and fittings, furnishing and equipment (FF&E) products	Y																					
2	Pr_40_10	Signage products	Y																					
3	Pr_40_10_77	Signs and markers	Y	Y	GR06-Fabric Generic	Architectural		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	TBC	Y	Y	TBC	TBC	
4	Pr_40_10_77_27	Evacuation signs	Y	Y	GR06-Fabric Generic	Architectural		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	TBC	Y	Y	TBC	TBC	

Sample dataset

08: Asset Maintenance Frequency

NOTE: DO NOT ATTEMPT TO ADJUST ANY ROWS OR COLUMNS ON THIS SHEET

[Project_Name]

CLIENT> Confirm the Operations Company (or Companies) who will manage the listed assets.
CLIENT> In conjunction with the asset management team confirm the condition survey and statutory compliance frequency values for the listed assets.
CONTRACTOR> Confirm the manufacturers recommended maintenance frequencies for the listed facility assets. A relevant SFG 20 code can be added in Column I, if provided by the Client, or their Operator.

Load default values | Save project changes | Restore saved values

Frequency Key >

A	Annually	M	Monthly	BW	Bi-Weekly
BA	Bi-Annually	BM	Bi-Monthly	D	Daily
Q	Quarterly	W	Weekly	O	Other

Maintenance Actvities

Asset Types (Products)	Asset Grade	Supplier Companies	Operations Companies	Condition Survey	> Frequency	Statutory Compliance	> Frequency	Manufactures Requirements / PPM	> Frequency	SFG 20 code / Comments
Pr_30_36_59_15:Controlled door closers	GR02-MEP Specific			Y	A	Y	O	TBC	TBC	
Pr_30_36_59_27:Electric sliding door mechanisms	GR02-MEP Specific			Y	A	Y	O	TBC	TBC	
Pr_30_36_59_50:Magnetic hold	GR02-MEP Specific			TBC	TBC	TBC	TBC	TBC	TBC	
Pr_30_59_24:Doorsets	GR03-Fabric Specific			TBC	TBC	TBC	TBC	TBC	TBC	
Pr_30_59_24_04:Automatic revolving doorsets	GR03-Fabric Specific			Y	A	Y	O	TBC	TBC	
Pr_30_59_24_05:Automatic swing doorsets	GR03-Fabric Specific			Y	A	Y	O	TBC	TBC	
Pr_30_59_36:Hatches and access panels	GR06-Fabric Generic			TBC	TBC	TBC	TBC	TBC	TBC	
Pr_30_59_58:Operable roof ventilators	GR03-Fabric Specific			Y	O	N	NA	TBC	TBC	
Pr_30_59_72:Rooflights	GR03-Fabric Specific			Y	A	N	NA	TBC	TBC	
Pr_30_59_84:Shutters and grilles	GR06-Fabric Generic			Y	O	N	NA	TBC	TBC	
Pr_30_59_84_30:Fire-resisting roller shutters	GR03-Fabric Specific			Y	O	N	NA	TBC	TBC	
Pr_30_59_94:Ventilation grilles	GR03-Fabric Specific			Y	O	N	NA	TBC	TBC	
Pr_30_59_94_04:Air ventilation grilles	GR03-Fabric Specific			Y	O	N	NA	TBC	TBC	
Pr_30_59_94_31:Fire-resisting air transfer grilles	GR03-Fabric Specific			Y	O	N	NA	TBC	TBC	
Pr_30_59_98:Window units	GR03-Fabric Specific			Y	O	Y	O	TBC	TBC	
Pr_40_10_77:Signs and markers	GR06-Fabric Generic			Y	O	Y	O	TBC	TBC	
Pr_40_10_77_27:Evacuation signs	GR06-Fabric Generic			Y	O	Y	O	TBC	TBC	
Pr_40_10_77_31:Fire equipment signs	GR06-Fabric Generic			Y	O	Y	O	TBC	TBC	
Pr_40_10_77_32:Fire escape route signs	GR06-Fabric Generic			Y	O	Y	O	TBC	TBC	
Pr_40_10_77_76:Safety signs	GR06-Fabric Generic			Y	O	Y	O	TBC	TBC	
Pr_40_10_77_97:Warning signs	GR06-Fabric Generic			Y	O	Y	O	TBC	TBC	

Sample dataset