

## Information Exchange Worksheet - Version 2.1

### GOAL:

This worksheet was developed to aid the project team to define the information required to implement each BIM Use with maximum efficiency.

### Information Exchange (IE) Tab:

The purpose of this section is to define the information needed to produce each BIM Use. Therefore, the responsible party for the use is in charge of gathering the information required, and filling out each category using the defined Model Element Breakdown (which should be customized to fit each project)

### Model Definition (MOD) Tab:

The purpose of this section is to produce the progression of the model throughout the lifecycle of the project. The information for this section should be extracted from the IE Tab. Any other information that will be modeled lifecycle of the project should be added here.

Information	
A	Accurate Size & Location, include materials and object parameters
B	General Size & Location, include parameter data
C	Schematic Size & Location

Disciplines (OmniClass Table 33)	
11	Planning
21	Design
25	Project Management
31	Surveying
41	Construction
55	Facility Use Disciplines
81	Support Disciplines
99	Other Disciplines

for more detail see Disciplines Tab

### Information:

This column defines the information and detail required in the model content.

### Responsible Party:

This column aims to define the responsible parties for the model content of the BIM deliverables. Specifically, the responsible party in this case is the author of the content.

Stages (OmniClass Table 31)	
10	Conception Stage
15	Project Delivery Selection Stage
20	Design Stage
25	Construction Documents Stage
30	Procurement Stage
40	Execution Stage
50	Utilization Stage
60	Closure Stage

Based on OmniClass Table 21 Elements (2011-02-11)

Information		Disciplines (OmniClass Table 33)	
A	Accurate Size & Location, include materials and object parameters	11	Planning
		21	Design
B	General Size & Location, include parameter data	35	Project Management
		31	Surveying
C	Schematic Size & Location	41	Construction
		55	Facility Use Disciplines
		81	Support Disciplines
		99	Other Disciplines

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Information		Disciplines (OmniClass Table 33)	
A	Accurate Size & Location, include materials and object parameters	11	Planning
B	General Size & Location, include parameter data	21	Design
C	Schematic Size & Location	25	Project Management
		31	Surveying
		41	Construction
		55	Facility Use Disciplines
		81	Support Disciplines
		99	Other Disciplines

Project Stage Deliverable		10 Conception Stage			15 Project Delivery Selection Stage			20 Design Stage			25 Construction Document Stage			30 Procument Stage			40 Execution Stage			50 Utilization Stage			60 Closure Stage		
Author File Format (if varies, specify in notes)																									
Application & Version																									
Model Element Breakdown		Info	Resp Party	Notes	Info	Resp Party	Notes	Info	Resp Party	Notes	Info	Resp Party	Notes	Info	Resp Party	Notes	Info	Resp Party	Notes	Info	Resp Party	Notes			
01	SUBSTRUCTURE																								
	10 Foundations																								
	10 Standard Foundations																								
	20 Special Foundations																								
	20 Subgrade Enclosures																								
	10 Walls for Subgrade Enclosures																								
	40 Slabs-On-Grade																								
	10 Standard Slabs-On-Grade																								
	20 Structural Slabs-On-Grade																								
	30 Slab Trenches																								
	40 Pits and Bases																								
	50 Slab-On-Grade Supplementary Components																								
	60 Water and Gas Mitigation																								
	10 Building Subdrainage																								
	20 Off-Gassing Mitigation																								
	90 Substructure Related Activities																								
	10 Substructure Excavation																								
	20 Construction Dewatering																								
	30 Excavation Support																								
	40 Soil Treatment																								
02	SHELL																								
	10 Superstructure																								
	10 Floor Construction																								
	20 Roof Construction																								
	30 Stairs																								
	20 Exterior Vertical Enclosers																								
	10 Exterior Walls																								
	20 Exterior Windows																								
	50 Exterior Doors and Grilles																								
	70 Exterior Louvers and Vents																								
	80 Exterior Wall Appurtenances																								
	90 Exterior Wall Specialties																								
	30 Exterior Horizontal Encloses																								
	10 Roofing																								
	20 Roof Appurtenances																								
	40 Traffic Bearing Horizontal Enclosures																								
	60 Horizontal Openings																								
	80 Overhead Exterior Enclosures																								
03	INTERIORS																								
	10 Interior Construction																								
	10 Interior Partitions																								
	20 Interior Windows																								
	30 Interior Doors																								
	40 Interior Grilles and Gates																								
	60 Raised Floor Construction																								
	70 Suspended Ceiling Construction																								
	90 Interior Specialties																								
	20 Interior Finishes																								
	10 Wall Finishes																								
	20 Interior Fabrications																								
	30 Flooring																								
	40 Stair Finishes																								
	50 Ceiling Finishes																								
04	SERVICES																								
	10 Conveying																								
	10 Vertical Conveying Systems																								
	50 Material Handling																								
	80 Operable Access Systems																								
	20 Plumbing																								
	10 Domestic Water Distribution																								
	20 Sanitary Drainage																								
	30 Building Support Plumbing Systems																								
	50 General Service Compressed-Air																								
	60 Process Support Plumbing Systems																								
	30 Heating, Ventilation and Air Conditioning (HVAC)																								
	10 Facility Fuel Systems																								
	20 Heating Systems																								
	30 Cooling Systems																								
	50 Facility HVAC Distribution Systems																								
	60 Ventilation																								
	70 Special Purpose HVAC Systems																								
	40 Fire Protection																								
	10 Fire Suppression																								
	30 Fire Protection Specialties																								

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Disciplines (OmniClass Table 33)			Responsible Party
11	Planning		
11	11	Regional Planning	
21	Development Planning		
31	Rural Planning		
41	Urban Planning		
44	Transportation Planning		
51	Environmental Planning		
61	Facility Conservation Planning		
99	Other Planning		
21	Design		
11	Architecture		
19	Drafting		
21	Landscape Architecture		
23	Interior Design		
25	Specifying		
27	Graphic Design		
31	Engineering		
11	Civil Engineering		
14	Structural Engineering		
17	Mechanical Engineering		
21	Electrical Engineering		
23	Communications Engineering		
24	Process Engineering		
27	Military Engineering		
99	Other Engineering		
25	Project Management		
11	Cost Estimation		
14	Proposal Preparation		
17	Client Briefing		
21	Scheduling		
31	Contract Administration		
41	Procurement		
51	Quality Assurance		
54	Quality Control		
31	Surveying		
11	Building Surveying		
21	Site Surveying		
31	GIS (Geographical Information System) Engineering		
41	Construction		
11	Contracting		
11	General Contracting		
14	Subcontracting		
11	Masonry		
14	Carpentry		
17	Iron Working		
21	Plumbing Subcontracting		
24	Fire Protection Subcontracting		
27	Heating Ventilation and Air Conditioning Subcontracting		
28	Refrigeration Subcontracting		
37	Electrical Subcontracting		
51	Energy Monitoring and Controls Subcontracting		
54	Hydrological Subcontracting		
61	Painting		
64	Tiling		
66	Plaster Subcontracting		
63	Gypsum Board Subcontracting		
14	Construction Management		
55	Facility Use Disciplines		
14	Real Estate		
21	Owner		
24	Facility Operations		
36	Facility Restoration		
81	Support Disciplines		
11	Legal		
13	Environment		
31	Finance		
34	Human Resources		
99	Other Disciplines		
11	Science		
13	Art		
41	Security		
45	Public Relations		
61	Education		