

**Appendix XVII – Mapping Table for Information Container ID Fields –  
WSD**

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1. WSD

1.1. Fields Mapping

The naming convention of WSD BIM Standards Manual (thereafter referred to as WSD BIM Manual) is extracted below:

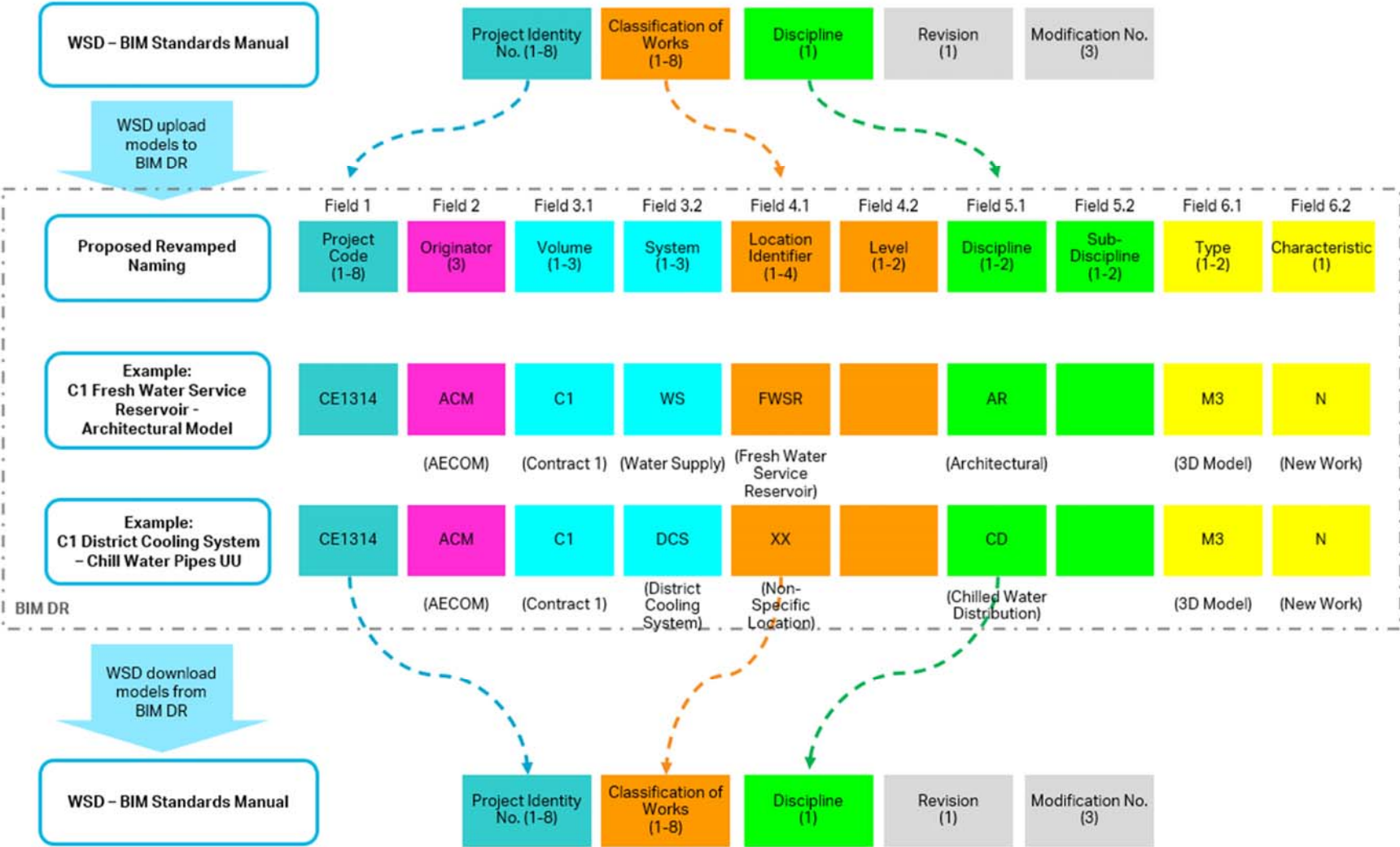
Table App XVII-1 Field Mapping for WSD BIM Manual

This Guide			WSD		
Field/ Sub-field No.	Information Container ID Field	Remark	Naming Field	ID Field Description	Code Mapping
1	Project Code		Project Identification Number	A maximum of 8-digit alphanumerical characters with a prefix “W” or “SK” shall be given to every works contract or every works order. Example: - W10346, SK23456.	Not required
4.1/ 4.2	Location/ Sub-location		Classification of Works	A maximum of 8-digit alphanumerical characters shall be allocated to the CODE of the file name for classification of works so as to facilitate the identification of each installation or different nature of works within a works project.	Required
5.1	Discipline		Discipline	A single alphabetical character represents the class of discipline.	Required
N/A	N/A		Revision	A “0” (zero) shall be allocated to a project model once it is being created. Any revision made to an approved BIM model shall be given with an alphabetical character, commencing from “A” to “Z”.	N/A
N/A	N/A		Modification No.	The Modification Number depicts the frequency of amendments made in the course of each revision. Allocating a Modification No. to a newly created model is similar to that for the Revision but with the use of a “000” (3-zero) numerical characters. The Modification Number	N/A

This Guide			WSD		
Field/ Sub-field No.	Information Container ID Field	Remark	Naming Field	ID Field Description	Code Mapping
				shall be increased by one for each amendment, commencing from “001”. Once the revision to a BIM model is approved, the version of Revision shall be changed accordingly, and the Modification Number must be reset to “000” to align with the new Revision.	

1.2. Fields Mapping Diagram

Figure App XVII-1 Field Mapping Diagram for WSD BIM Manual



### 1.3. Fields that Matches with this Guide

Some naming fields of WSD BIM Manual do not require mapping when sharing to (or downloading from) the BIM DR.

- a) Field 1 Project Identification Number is equivalent to the Project Code of this Guide. As this field is project specific with no standard codification system, mapping is not required.
- b) Field 5 Revision and Field 6 Modification No. are not required to be included when uploading model files to the BIM DR. The BIM DR would only collect as built and design BIM models. Therefore, Revision and Modification No. are suggested to be set as “0-000” after downloading from the BIM DR for WSD’s use.

### 1.4. Fields That Needs to be Mapped

For the remaining fields, the following code mapping should apply.

Table App XVII-2 Code Mapping for WSD BIM Manual

WSD BIM Manual		BIM Harmonisation Guidelines	
Field 3: Discipline (1 character)		Field 5.1 Discipline (2 characters)	
Codes	Definition	Codes	Definition
C	Civil Engineering	Civil Engineering contains multiple disciplines. It is suggested that the Civil Engineering be redefined to map to other applicable discipline(s) in this Guide. For generic construction elements, XX-General (non-disciplinary) shall be used.	
M	Mechanical Engineering	ME	Mechanical
E	Electrical Engineering	EL	Electrical
A	A working model that involves different divisions and disciplines to participate	ZZ	Multiple disciplines for combined model
N/A	N/A	AR	Architectural
N/A	N/A	BS	Building Services
N/A	N/A	CD	Chilled Water Distribution
N/A	N/A	FO	Sewerage
N/A	N/A	FS	Fire Services
N/A	N/A	FW	Fresh Water System
N/A	N/A	GS	Gas Supply
N/A	N/A	IR	Irrigation
N/A	N/A	LA	Landscape

WSD BIM Manual		BIM Harmonisation Guidelines	
Field 3: Discipline (1 character)		Field 5.1 Discipline (2 characters)	
Codes	Definition	Codes	Definition
N/A	N/A	PS	Electrical Power Supply
N/A	N/A	RD	Road
N/A	N/A	RW	Raw Water System
N/A	N/A	SD	Stormwater Drainage
N/A	N/A	SF	Site Formation
N/A	N/A	SL	Slope
N/A	N/A	ST	Structural
N/A	N/A	SW	Salt Water System
N/A	N/A	TC	Telecommunication
N/A	N/A	WR	Recycled Water System
N/A	N/A	XX	General (non-disciplinary)