

**Information and Communications Technology Industry Training Advisory Committee
Software Products and Software Services (SW) branch
Unit of Competencies**

1. Title	Enforce compliance of the enterprise data standards	
2. Code	ITSWAR613A	
3. Range	Define, maintain and enforce data standards in information systems implemented by project teams [Architecture – Data Architecture]	
4. Level	6	
5. Credit	3	
6. Competency		<p style="text-align: right;"><u>Performance Requirement</u></p> <p>6.1 Understand different data application areas for standardisation</p> <p>Be able to</p> <ul style="list-style-type: none"> ▪ understand the driving factors (e.g. business drivers, IT strategy) for setting data standards ▪ understand different data application areas (see Remark 1) <p>6.2 Identify suitable data application that require standardisation</p> <p>Be able to</p> <ul style="list-style-type: none"> ▪ identify the data application that requires standardisation to address the driving factors ▪ document the rationales and guiding principles to formulate the data standards <p>6.3 Identify, evaluate and select suitable industry and international data standards to meet the data application requirements</p> <p>Be able to identify, evaluate and select suitable industry and international data standards to meet the data application requirements</p> <p>See Remark 2 for examples of industry and international data standards)</p> <p>6.4 Derive an enterprise data standards from the suitable industry and international data standards or from the data architecture</p> <p>Be able to</p> <ul style="list-style-type: none"> ▪ adopt suitable industry and international data standards to form an enterprise data standards ▪ customise the adopted industry and international data standards to meet the data application requirements ▪ translate the data dictionary and schemas to form the enterprise data standards <p>6.5 Publish and maintain the enterprise data standards</p> <p>Be able to</p> <ul style="list-style-type: none"> ▪ publish the enterprise data standards in the data registry ▪ maintain different versions of enterprise data standards

	6.6 Enforce project teams to follow the enterprise data standards to implement the information systems	Be able to <ul style="list-style-type: none"> ▪ establish policies, rules and guidelines for project teams to follow enterprise data standards ▪ establish an management structure to facilitate different business units to agree upon and promulgate enterprise data standards ▪ establish an management framework for managers and domain experts to review, update, and endorse enterprise data standards
7. Assessment Criteria	The integrated outcome requirements of this UoCs are the abilities to <ol style="list-style-type: none"> (i) derive the enterprise data standards from the data architecture; (ii) maintain the enterprise data standards; and (iii) enforce project teams to follow the enterprise data standards to implement systems. 	
Remark	<ol style="list-style-type: none"> 1. Examples of data applications where standardisation can be applied are <ol style="list-style-type: none"> a) how data is stored in database (e.g. customer profiles in database), i.e. database schemas can be standardized; and b) how data is exchanged between different systems and parties (e.g. placing electronic purchase orders), i.e. data file formats can be standardized, e.g. spreadsheet layouts. 2. Example of international and local data standards are <ol style="list-style-type: none"> a) EDIFACT; b) OASIS Universal Business Language; and c) Hong Kong SAR Government Registry of Data Standards. (http://www.xml.gov.hk) 3. Pre-requisite: ITSWAR608A 4. Co-requisites: ITSWAR609A, ITSWAR610A, ITSWAR611A, ITSWAR612A 	