

Specification of Competency Standards
for the Printing & Publishing Industry
Unit of Competency

Functional Area - 電子出版

Title	Implement structure design of e-book
Code	106345L6
Range	In the process of conceptualization of one or a series of e-books, implement a structure design based on the standard specifications of the e-book reader to be used so that all digital resources of the e-book can be saved in relevant files. Finally, design one or many digital folders to save the various content components of e-book, and package all components properly into a completed container for testing and placing into e-reader for playback.
Level	6
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Know the standard specifications of different e-book readers</p> <ul style="list-style-type: none"> • Know that the different e-books readers' standard specifications impose different requirements and allowances in flexibility on the structure of e-book, and that the complexity of structure can have implications on the required input of publishing resources. • Understand that inside the e-book structure, there are different files storing the digital contents of e-book, and a main file storing e-book's core materials. The content materials can be distributed in fixed layouts or dynamically swapped in and out of the layouts when they are read. The files may contain multimedia contents such as sound or video, etc, on top of text and image. • Understand that the design for visuals and user interface can be placed in functional files, such as embedded fonts, style sheets and programmes for controlling video, audio playback and font size manipulation. • Understand the metadata of the different digital contents' components in the structure of e-book. The metadata can record creative units such as authors, editors, publishers, designers, photographers, composers, lyric writers, directors, artists, etc., as well as book titles, ISBNs, dates, countries, reader groups, editors, regional copyrights, languages and category tags, etc. • Understand that the basis of reading sequence of e-book shall generate a file base arrangement for the sequence of different digital contents components to be read. Other auxiliary files may include table of content pointing to covers, prefaces of edition, foreword, contents, sections, index, glossaries, list of photos, list of charts, and reading guide which highlights contents of e-book, etc. • Understand the use of container as a selling unit of e-book that allows the transmission and downloading to appropriate e-book readers of the buyers. <p>2. Based on the above competencies, implement the design of various components in the container packaged for an e-book.</p> <p>3. Design one or many digital folders to save the various content components of e-book, and package properly all components into a completed container for testing and placing into e-reader for playback.</p>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Be able to explain the different cooperative relationships of various files and folders in the structure of e-book. • Be able to implement the structure design of e-book that can meet the requirement of playback in e-book reader and for searching in online e-book bookstore.

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Remark	
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