

## e-Textbook Technical and Functional Requirements (Updated June 2016)

Criteria	Descriptors
1. Compatibility	<p>Users can browse and use the e-textbook via the following means:</p> <ul style="list-style-type: none"> <li>1.1 A multitude of <b>common computing devices</b> such as desktop / laptop / tablet computers, mobile computing devices, etc. (e-textbook residing only on proprietary hardware and / or software will <b>NOT</b> be accepted)</li> <li>1.2 <b>More than one</b> common contemporary operating system</li> <li>1.3 <b>More than one</b> free-of-charge contemporary browser or reader</li> <li>1.4 Necessary software or plugin for DRM is <b>free-of-charge</b></li> </ul>
2. Navigation and operation	<ul style="list-style-type: none"> <li>2.1 Consistent and intuitive navigation of content</li> <li>2.2 <b>Navigation and search functions</b> are available via the following: <ul style="list-style-type: none"> <li>2.2.1 Table of Contents</li> <li>2.2.2 Buttons linking to the Table of Contents, location of the current page, the next and the previous page are available on every view page</li> <li>2.2.3 Keyword search</li> <li>2.2.4 Hypertext of key topics / terms</li> <li>2.2.5 Index</li> </ul> </li> <li>2.3 <b>Consistent and intuitive operation design:</b> <ul style="list-style-type: none"> <li>2.3.1 Content to fit into one page for easy reading</li> <li>2.3.2 High screen resolution with reasonable quality after zooming to 200%</li> <li>2.3.3 Multimedia content such as video clips can be presented in full screen when they are opened from thumbnail, when full screen mode is turned off it will remain on the same page</li> <li>2.3.4 Video and audio clips can be played natively within the e-textbook, no extra plug-in installation shall be required</li> </ul> </li> </ul>
3. Multimedia materials	3. Appropriate multimedia materials (video, audio and / or animation) are provided with captions / labels / synopsis where available
4. Interactive activities	4. Interactive learning, teaching and assessment activities are provided
5. Learning tools	5. Appropriate tools that facilitate learning, such as annotation, note-taking, bookmarking, highlighting tools, free online dictionary, etc. are provided
6. Offline reading	6. Appropriate content of the e-textbook can be downloaded to a computing device for <b>offline reading</b> with free-of-charge browsers or readers