

## WebMCQ Operation Specifications

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This document is provided to explain the operation of WebMCQ Interactive Question Server software. There are two other companion documents, one describing **WebMCQ Administration Tools**, and another describing **ShWAA**.

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### 1. WebMCQ Interactive Question Server

*WebMCQ Interactive Question Server* is the software accessed by individuals when they interactively view a set of WebMCQ questions via the World Wide Web ("the Web"). It has minimal viewing requirements in order to allow the greatest possible access.

#### 1.1 Operation

*WebMCQ Interactive Question Server* presents HTML content to users' Web browsers using standard Web protocols. Content is generated according to data files created using *WebMCQ Administration Tools*, enabling the presentation of multiple choice questions, rating scale questions, and/or short answer text entry questions. WebMCQ questions may optionally contain one or two levels of feedback that can be displayed immediately, or upon completion of a set of questions. Feedback may contain conditional statements that customise feedback to particular responses. The *MCQScript* scripting language may be incorporated in question content to dynamically generate content and to include formatting effects not otherwise achievable using pure HTML. The *MCQScript* scripting language is not part of any Web standard. WebMCQ Interactive Question Server also receives responses to questions from users and records those responses for later access via *WebMCQ Administration Tools*.

#### 1.2 Client Software Requirements

To access *WebMCQ Interactive Question Server*, a Web browser compatible with Netscape Navigator version 2.0 is required. This includes all versions of Netscape Navigator and Netscape Communicator released after version 2.0, and all versions of Internet Explorer released with or after version 3.0. No client-side "plug-ins" or unusual configuration settings are required. WebMCQ Interactive Question Server generates a small amount of JavaScript code, however it is not necessary for users to have JavaScript enabled on their browsers to use *WebMCQ Interactive Question Server*.

### **1.3 Software Installation and Maintenance**

*WebMCQ Interactive Question Server* software resides on WebMCQ Pty Ltd's own equipment, or on specially-configured equipment provided by holders of an Onsite Server Licence. This equipment is provided specifically for the purpose of running *WebMCQ Interactive Question Server* software. Excepting the installation of Web-browser software as described above, there are no installation requirements for users wishing to access *WebMCQ Interactive Question Server*.

### **1.4 WebMCQ Interactive Question Server Generated Content**

*WebMCQ Interactive Question Server* itself does not generate any content that makes unusual demands on users' Web browsers. It does not generate or reference content in Java, ActiveX, DHTML, or XML, and does not require any plug-ins. HTML generated by *WebMCQ Interactive Question Server* conforms to HTML 2.0 standard by the World Wide Web Consortium, and JavaScript 1.1 standard by Netscape Communications Pty Ltd. However, question authors may choose to incorporate other content which may not be supported by all Web browsers. Images served as part of the *WebMCQ Interactive Question Server* system conform to the Graphics Interchange Format (GIF89) standard by CompuServe Interactive Services Inc., or the JPEG standard by the Joint Photographic Experts Group.

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