



## AIP (Web Technology) Competencies (A106)

This document defines role and Competencies for Internet \*Web Technology professionals established under designation Accredited Internet Professional (AIP) by the Society of Internet Professionals (SIP). Competencies normally deal with technical aspect of the stream/job.

Competencies are prepared by conducting task analysis of the job and seniority or length of experience was not a factor in compiling the list. Acquired competency assumes that the task will be performed independently without supervision. The work was initiated by SIP in 1999 as part of their certification program called Certified Member of Society of Internet Professionals (CMSIP) and was combined with work done by Association of Web Professionals (AWP) in 2001 and was revised in 2004 by the Accreditation & Certification Committee (ACC) of SIP.

\* Originally created by the Association of Web Professionals (AWP), which has ceased to exist. SIP is pleased to have made arrangements to support AWP certified professionals and future certifications in these streams.

### A. Description of AIP

Competencies which are common to all streams are outlined in a separate document (Doc A105: Common Competencies of AIP), available from our web site:

<http://sipgroup.org/resources/docs.html>

Competencies described in the above document together with technical Competencies described in this document form overall Competencies for this stream.

### B. Competencies for AIP (Web Technology)

A SIP Certified Web Technician is an individual who is qualified to build and maintain a Web presence, including, but not limited to, responsibilities for administration, security networking infrastructure, and ongoing support. The Certified Web Technician is expected to be able to perform these tasks with limited assistance from product documentation, peers, and vendor support resources.

1. Analyze network traffic and monitor network connectivity
2. Connect Local Area Net to the Internet
3. Connect to a local network
4. Create scripts
5. Establish virtual hosting
6. Implement security for the web server
7. Integrate database capability
8. Maintain DNS
9. Maintain security of web content transfer from desktop/browser to web server
10. Maintain user state
11. Maintain virtual hosting
12. Maintain web server software and extensions
13. Manage Web traffic
14. Mirror content across sites
15. Monitor server performance

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16. Obtain domain name
17. Perform disaster recovery of the web server
18. Publish content to Web
19. Recommend environmental standards
20. Register site with search engines
21. Set up and support Web server and FTP server software
22. Set up server hardware
23. Set-up and support mail server
24. Troubleshoot a client HTML page
25. Verify HTTP Daemon behaviour

### Related AIP Documents and Resources

SIP has been working to restructure Certified Member of SIP (CMSIP) program and AWP Web Programs to the Accredited Internet Professional (AIP) program. As of January 2005, 13 streams are identified and 23 documents are produced. Most of the documents are posted on SIP's web site:

<http://sipgroup.org/resources/docs.html>

### Details & Application Package:

Take the Self-Assessment, review competencies & download the application from our web site:

<http://www.sipgroup.org/certification.html>

### Inquiries

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