

**Administration on Development Disabilities  
Technical Assistance Institute – Presentation Summary  
Access to Information Technology and Website Development  
Friday, August 11, 2006, 9:00 a.m.**

**Moderator:** Jennifer Johnson

**Presenters:** Carlo Ignacio, BA, President & CEO Studio Metis, LLC, Bethesda, MD and Jonathan Lyn-Shue, BS, Technology Director, Studio Metis, LLC, Bethesda, MD

**Where you start:** When you are creating a website, there are things you need to address. You first need to come up with goals.

**We first provide our clients with a Questionnaire. We ask about:**

Core Audience – Who is the site for, e.g. children, seniors, students, age range, expectations? What are they looking for, comfort level – an advanced user, intermediate or beginner? How new or old are your audience’s computers?

**Design** – style, color scheme, logo images, computer speed.

**Accessibility & Web standards** – 508 Standard is a legal standard that outlines how websites must be designed to meet the accessibility requirements. It’s the law.

This standard does not mean that your final product has to be basic or ugly or not at all what you had envisioned. An accessible website can still include all that you would like to have on it.

**Content** – Site map organizes the total content on your site. The site map makes it very easy for people to find what they need in an accessible manner.

**Comparable Sites** – How do other sites look? Do you like them? What are other popular sites for youth? Use these other sites to generate ideas for your own website.

**Timeline** – Whenever IT staff members speak of the site development, they include the length of timethings might take to get completed. Timelines include the design phase, the development phase, testing phase, debugging phase (working out any kinks) and the final deliverables.

**Budget** – There are people who want to do pro-bono work but offer an exchange, such as free advertisement and networking opportunities,. Places to look for pro-bono work are at large Corporations. Pro-bono work or free work can also be a tax write-off for the person providing the service.

**Try to keep work local** – they are in the area and this can cut down on waiting time.

For pro-bono or free work also check with your staff (i.e. personal references), talk with sister/brother programs about their external resources, review favorite sites, and reach out to their webmaster.

**Accessibility in Detail**

508 compliance

Accessibility = Usability

The goal of accessibility is to design a website to communicate information to more people in more situations.

**Accessibility: Disability Types – All of the following types of disabilities need to be taken into consideration:**

Visual disabilities:

Colorblindness

Cataracts  
Long sightedness  
Others:  
Cognitive  
Mobile  
Hearing

### **Accessibility in Websites**

Better design & implementation  
HTML & CSS used to enhance the layout of websites  
Smart, intuitive navigation  
Assistive Technology - Examples: Screen Reader, Voice browser, Window-Eyes, JAWS, OutSpoken (MAC)

### **Accessibility Compliance Testing**

Webxact  
A-Prompt  
UseableNet  
WebAIM's WAVE 3.0

### **How will working with IT help your youth organization?**

Simplify processes involved in:

Education Planning  
Career Planning  
Job Search

Establish comfort zone with computers and accessibility tools to allow children to independently browse youth-oriented content on the internet. Your website is the point of entry to enable youth to get to know, understand and embrace technology.

### **Training Process**

Introduction to assistive technologies – helping youth and showing them the way to use the internet

Learning to find accessible sites on the internet

### **Accessibility Myths – Types of things that hold us back in designing good sites.**

Accessibility is just for blind people  
Accessible websites are ugly and boring  
Accessibility is expensive and difficult  
Offering a text-only version is good enough

### **Accessibility is about Empowerment**

## **RESOURCES**

**Accessibility Matters** – [www.nils.org.au/ais/web/rtesources/toolbar](http://www.nils.org.au/ais/web/rtesources/toolbar)

**DO-IT Program** – <http://www.washington.edu/doit/>

**World Wide Web Consortium's Web Accessibility Initiative (W3C's WAI)** – <http://www.w3.org/WAI/>

**World Wide Web Consortium's document on How People With Disabilities Use the Web** - <http://www.w3.org/WAI/EO/Drafts/PWD-Use-Web/Overview.html>

**Webusability and Accessibility Services:** [www.usability.com.au/resources/tables.cfm](http://www.usability.com.au/resources/tables.cfm)  
**California State University Center on Disability (C-SUN COD)** –

<http://www.csun.edu/cod/>

**Designing More Usable Websites** – <http://trace.wisc.edu/world/web/>

**WebAIM (Web Accessibility in Mind)** – <http://www.webaim.org>

**J-fly** – <http://jfly.iam.u-tokyo.ac.jp/color>

**Eyetrack III** – [www.poynterextra.org/eyetrack2004/main.htm](http://www.poynterextra.org/eyetrack2004/main.htm)

**Macintosh Accessibility** – <http://www.apple.com/accessibility/>

**Web Accessibility and Universal Design** – <http://template.bsd.uchicago.edu/>

**NCWD/Youth** – [http://www.ncwd-youth.info/resources\\_&\\_Publications/index.html](http://www.ncwd-youth.info/resources_&_Publications/index.html)

***Site Testers*** –

**Webxact** - <http://webxact.watchfire.com>

**A-Prompt** – <http://aprompt.snow.utoronto.ca/index.html>

**Bobby** – <http://bobby.watchfire.com/bobby/html/en/index.jsp>

**Cynthia Says** - <http://www.cynthiasays.com>; **Section508 OK** -

<http://www.section508ok.com>;

**UseableNet** - <http://www.usablenet.com>

**WebAIM's WAVE 3.0** – <http://www.wave.webaim.org/index.jsp>

**This entire presentation and supplemental handout materials can be found at the following links:**

**Access to Information Technology and Website Development Power Point presentation** – [http://www.ent-s-t.com/ADD\\_0806/08-11-06%20-%20001%20-%20Access%20to%20IT%20-%20C\\_Ignacio.pdf](http://www.ent-s-t.com/ADD_0806/08-11-06%20-%20001%20-%20Access%20to%20IT%20-%20C_Ignacio.pdf)

**Access to Information Technology and Website Development Client Questionnaire** – [http://www.ent-s-t.com/ADD\\_0806/08-11-06%20-%20002%20-%20Access%20to%20IT%20-%20C\\_Ignacio.pdf](http://www.ent-s-t.com/ADD_0806/08-11-06%20-%20002%20-%20Access%20to%20IT%20-%20C_Ignacio.pdf)

**Access to Information Technology and Website Development Resources and Links page** – [http://www.ent-s-t.com/ADD\\_0806/08-11-06%20-%20003%20-%20Access%20to%20IT%20-%20C\\_Ignacio.pdf](http://www.ent-s-t.com/ADD_0806/08-11-06%20-%20003%20-%20Access%20to%20IT%20-%20C_Ignacio.pdf)