

Objectives

- Look at recent developments and current issue at the W3C with regard to standards and best practices that make the World Wide Web worldwide.
- Introduce a new initiative, funded by the European Commission, to investigate, provide information about, and recommend work on standards and best practices for the multilingual web.
- Suggest ways for you to get involved.



Outline

About the W3C
 Recent developments
 Requirements
 Current discussions
 Social context
 Best practices
 MutlingualWeb project
 Getting involved



About the W3C



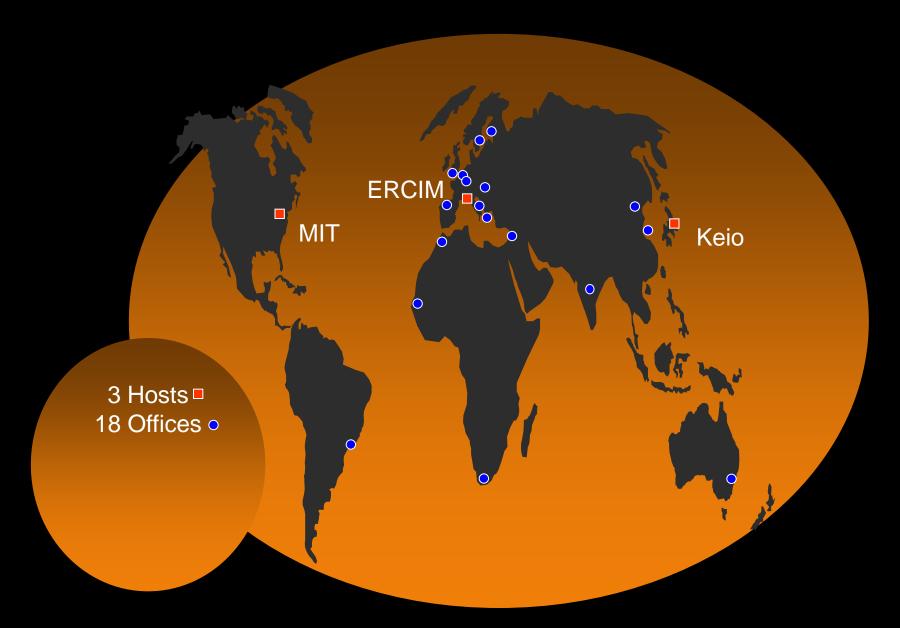


1994: World Wide Web Consortium created and still led by: Sir Tim Berners-Lee, inventor of the WWW.

Mission:
Lead the
technical evolution of the Web
and ensure its
interoperability

Keywords: consensus and vendor neutrality

Device Independence
Web Accessibility eGovt XPointer Namespaces





3 Hosts 18 Offices 50 Staff (25 locations) 415 Members 62 Liaisons

BBC, HP, Microsoft, Sun, Google, Yahoo, Library of Congress, WebMethods, Sony, Fujitsu, Software AG, IBM, Apple, Elisa, Nokia, Siemens, Vodaphone, DoCoMo, T-Online, Academia Sinica, FhG, MIT, CSIRO, EUnet, ETRI, ERCIM, Boeing, ChevronTexaco, Agfa, DaimlerChrysler, Elsevier, and many more...

2005: New fee structure to assist developing countries!

Accountable to the global public! Technology & Society **eGovernment** Technology **Patent Policy** development Privacy **Fonts** Security **Graphics (SVG, WebCGM)** HTML Math **Mobile Web Multimodal Interaction** Rich Web Client (WebApps) **Semantic Web** Style (CSS) 22 Activities **Synchronized Multimedia Ubiquitous Web Apps** 50 Working Grp Video in the Web 13 Interest Grp **Voice Browser** Web for All 5 Coordination **Web Services** Internationalization **Xforms** Groups **WAI International Program XML** Office **WAI Technical Activity**

Internationalization Activity

- Help W3C Working Groups understand issues and build in requirements relating to worldwide support for Web technologies
- Check specifications in Working Draft stage for internationalization issues and develop best practices for specification developers
- Liaise with other standards organizations to develop support for the international Web
- Evangelize the need to consider multiple languages and scripts when developing Web technologies of any kind
- Help users of Web technology understand what's available to them and how to use it by developing best practices and other resources

عالمكيرويب كوحقيقي طورير عالمكيربنانا

"Дүниежүзілік торды" нағыз дүниежүзілік етеміз! वर्ल्ड वाईड वेबलाई यथार्थमै विश्वव्यापी बनाउने !

Κάνοντας τον Παγκόσμιο Ιστό πραγματικά Παγκόσμιο ਵਰਡ ਵਾਈਡ ਵੈਬ ਨੂੰ ਵਾਕਈ ਵਿਸ਼ਵ-ਵਿਆਪੀ ਬਨਾਉਣਾ !

缔造真正全球通行的万维网

ワールド・ワイド・ウェッブを世界中に広げましょう ធ្វើឲ្យវើលវ៉ាយវ៉េបមានទូទាំងពិភពលោកពិប្រាកដមែន!

전세계의 월드 와이드 웹으로 만들기!

Gwneud y we fyd-eang yn wirioneddol fyd-eang!

ליצור מהרשת רשת כלל עולמית באמת!

การทำให้ World Wide Web แพร่หลายไปทั่ว โลกอย่างแท้จริง

यह्माध्रीर लूरशायद्येजायदे. ह्राययद्यर म्ह्रा यह्माध्रीर लूरशायीया क्यां



Unicode

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جعل شبكة الويب العالميّة عالميّة حقًّا!
وب جماني رابدرسي جماني سازيم!
عالمگيرويب كو تقيقي طور بر عالمگير بنانا
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Յամաշխարհային ցանցն իրոք համաշխարհային դարձնելը ĊºノL △Р◁⁰⁰Рል⁰ ノ⊂Ч≺◁⊂ĹГ⁰ ¿ヘ∩Ч<́.

"Дүниежүзілік торды" нағыз дүниежүзілік етеміз! वर्ल्ड वाईड वेबलाई यथार्थमै विश्वव्यापी बनाउने !

यर्ष याद्र्ष ययसाद ययायम ।यवस्याम यसाठ

የዓለም አቀፉን ድር በእውነት አለም አቀፍ ማድረግ!

Κάνοντας τον Παγκόσμιο Ιστό πραγματικά Παγκόσμιο ਵਰਡ ਵਾਈਡ ਵੈਬ ਨੂੰ ਵਾਕਈ ਵਿਸ਼ਵ-ਵਿਆਪੀ ਬਨਾਉਣਾ !

缔造真正全球通行的万维网

ליצור מהרשת רשת כלל עולמית באמת!

meikin ðə wa:ld waid web 'tru:li 'wa:ld'waid

ワールド・ワイド・ウェッブを世界中に広げましょう ធ្វើឲ្យវើលវ៉ាយវ៉េបមានទូទាំងពិភពលោកពិប្រាកដមែន!

전세계의 월드 와이드 웹으로 만들기!

Gwneud y we fyd-eang yn wirioneddol fyd-eang!

การทำให้ World Wide Web แพร่หลายไปทั่วโลกอย่างแท้จริง ฉะัม สู๊ร พัรมเฉลิง ฉริง รัวมเฉลร รรา ฉะัม สู๊ร พัรมาผู เผู สาสู์ สุมมเลลั ส



Unicode

وب حمالي رابه در ستي حمالي سازيم! The Path W3C follows" عالم يب كو تقيقى طور يز عالم كير بنايا Ruduzhunhujhu gulugli hprop huduzhunhujhli nundlitin ccγL Δρασραφ γς τας Lito making text on the "Дүниежүзілік торды" нағыз Web truly global is የዓለም አቀፉን ድር በእውነት አለያ Unicode." ਵਰਡ ਵਾਈਡ ਵੈਬ ਨੂੰ ਵਾਕਈ ਵਿਸ਼ਵ-ਵਿਆਪੀ ਬਨਾਉਣਾ ! **Tim Berners-Lee** 缔造真正全球通行的万维网 ליצור מהרשת רשת כלל עולמית באמת! meikin ðə wa:ld waid web 'tru:li 'wa:ld'waid ワールド・ワイド・ウェッブを世界中に広げましょう ធ្វើឲ្យវើលវ៉ាយវ៉េបមានទូទាំងពិភពលោកពិប្រាកដមែន! 전세계의 월드 와이드 웹으로 만들기!

Gwneud y we fyd-eang yn wirioneddol fyd-eang!
การทำให้ World Wide Web แพร่หลายไปทั่วโลกอย่างแท้จริง
बह्मान्त्रीर र्थेरका बह्नेवा बहेन हैं आ बन्द रहा वह्मान्त्रीर र्थेरका शु द्विन र्ह्मान्य स्वाप्त स्वापत स्वाप्त



Unicode

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<h2><a id="რჩეული">რჩეული
ფოტოსურათი</a></h1>
```

```
<a href="/wiki/ჭიამაია" title="ჭიამაია" class="mw-redirect">ჭიამაია</a> (Coccinellidae), ხოჭოების ოჯახს ეკუთვნის. აქვს ამობურცული, მომრგვალო ან ოვალური სხეული. ზურგზე ღია ფონზე შავი ლაქები აყრია, იშვიათად ....
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Unicode

<h2>
ფოტოსურათი</h

fosds class="mw-redirect">fosds class="mw-redirect">fosds class="mw-redirect">fosds class="mw-redirect">fosds class="mw-redirect">fosds class="mw-redirect">fosds class="mw-redirect">fosds class="mw-redirect">fosds class="mw-redirect"
% a href="/wiki/fosds



Extensible Markup Language (XML) 1.0 (Fifth Edition)

W3C Recommendation 26 November 2008

This version:

http://www.w3.org/TR/2008/REC-xml-20081126/

Latest version:

http://www.w3.org/TR/xml/

Previous versions:

http://www.w3.org/TR/2008/PER-xml-20080205/

http://www.w3.org/TR/2006/REC-xml-20060816/

Editors

Tim Bray, Textuality and Netscape <tbray@textuality.com>

Jean Paoli, Microsoft <ieanpa@microsoft.com>

C. M. Sperberg-McQueen, W3C <a href="mailto:sc

Eve Maler, Sun Microsystems, Inc. eve.maler@east.sun.com

François Yergeau

Please refer to the errata for this document, which may include some normative corrections.

The previous errata for this document, are also available.

See also translations.

This document is also available in these non-normative formats: XML and XHTML with color-coded revision indicators.

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Abstract

The Extensible Markup Language (XML) is a subset of SGML that is completely described in this document. Its goal is to enable generic SGML to be served, received, and processed on the Web in the way that is now possible with HTML. XML has been designed for ease of implementation and for interoperability with both SGML and HTML.

Status of this Document

This section describes the status of this document at the time of its publication. Other documents may supersede this document. A list of current W3C publications and the latest revision of this technical report can be found in the <u>W3C</u> technical reports index at http://www.w3.org/TR/.

This document specifies a syntax created by subsetting an existing, wdely used international text processing standard (Standard Generalized Markub Language, ISO 8879:1896(E) as amended and corrected) for use on the World Wide Lucy and Control of the Control of the World Wide Language (Standard Generalized Markub Language, ISO 8879:1896(E) as amended and corrected) for use on the World Mide Lucy and Control of the Control o

technical reports index at http://www.w3.org/TR/.

This section describes the status of this document at the time of its publication. Other documents may supersede this document. A list of current W3C publications and the latest revision of this technical report can be found in the $\overline{W3C}$

Status of this Document



Normalization

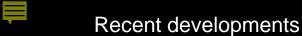
NFD l'zelitouil NFC lzelitoül

Ha a világ beszélni akarna, Unicode-ul szólalna meg. Regisztráljon már most a Tizedik Nemzetközi Unicode Konferenciára, melyet 1997. március 10-12-én rendeznek Meinz-ban, Németországban. Ezen a konferencián az iparág több neves szakértője is résztvesz. Ízelítőül a témákból: a világháló és a Unicode nemzetközisítése és lokalizálása, a Unicode alkalmazása működő rendszerekben és alkalmazásokban, szövegelrendezésnél, és többnyelvű számítógépeken.





xn--jp-cd2fp15c.xn--fsq.jp



Web resource identifiers

السعودية امارات مصر

Al-Saudiah Emarat Misr

وزارة-الأتصالات مصر//:http





IRI

/dir1/%E5%BC%95%E3%81%8D%E5%89%B2%E3%82%8A.html



Language tags

Before: RFC 3066

language – region

en

ISO 639 language codes

en-GB

ISO 3166 country codes

en-scouse



Language tags: BCP 47

Now: BCP 47 (includes RFC 5646)

language script region variant extension private_use (extlang)

hi

az-Cyrl

zh-Hans

- nearly 8,000 subtags available
- subtags available only from new IANA registry (based on ISO and UN codes)

es-419

only language subtag required

sl-IT-rozaj-njiva-1994

Bidirectional text support

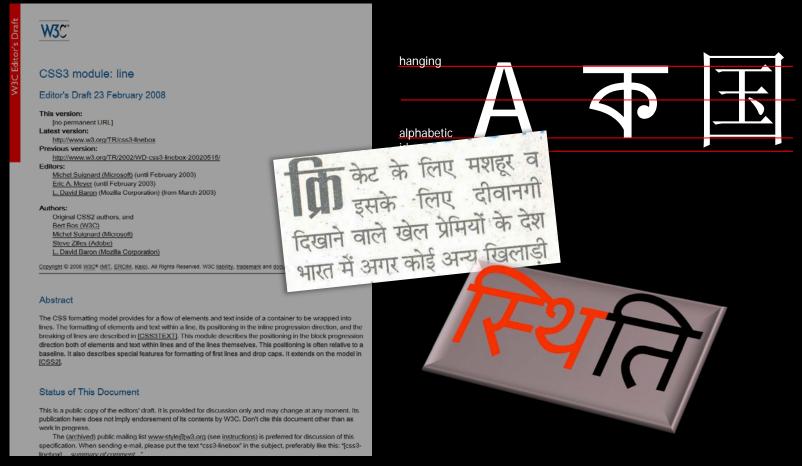
: Wنشاط التدويل، نشاط التدويل، W3C

<description dir="rtl">W3C التدويل، description </description>



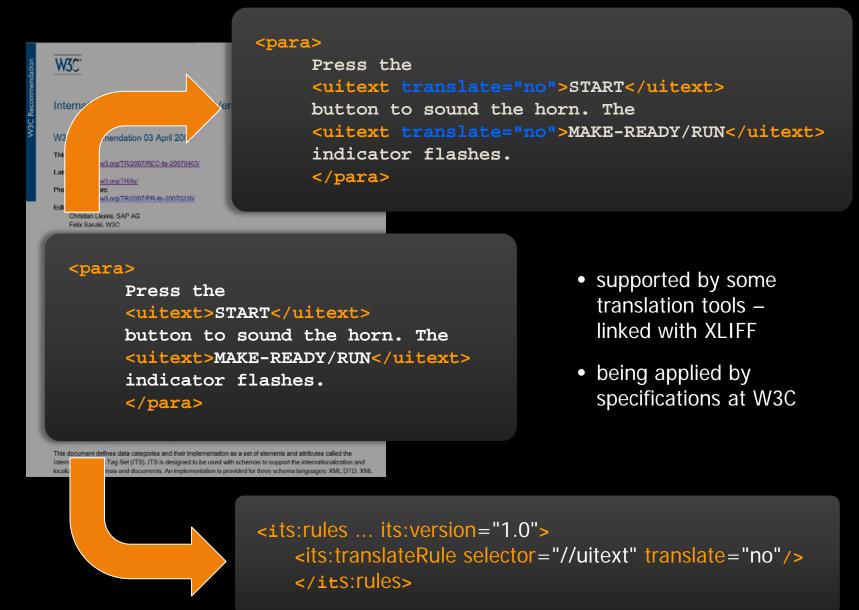


CSS3



Implementers of user agents need to be prodded by the public to support the developing marketplace!

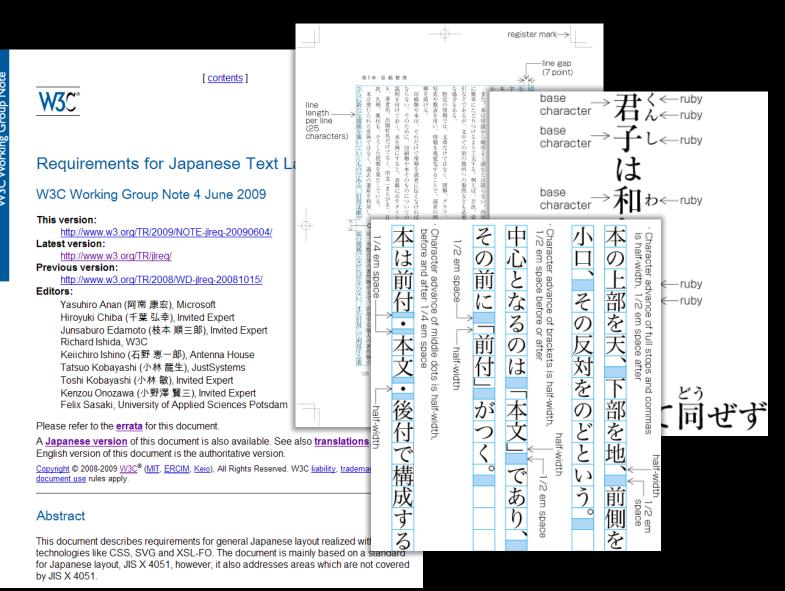
Internationalization Tag Set





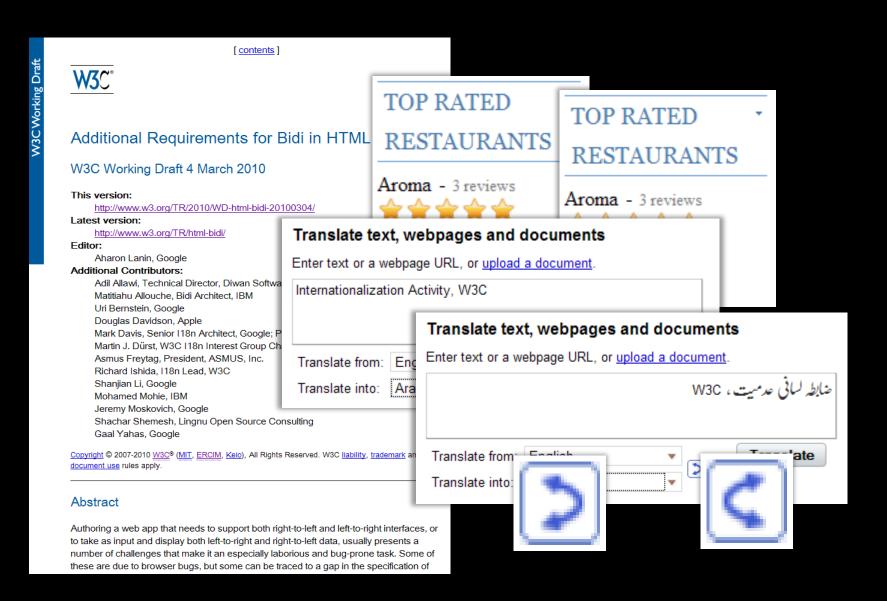
Requirements

International typography





International typography





Arabic mathematics



Arabic mathematical notation

W3C Interest Group Note 31 January 2006

This version:

http://www.w3.org/TR/2006/NOTE-arabic-math-200

Latest version:

http://www.w3.org/TR/arabic-math/

Previous version:

This is the first version

Bruce R. Miller, National Institute of Standards and T

This document is also available in these non-normative for

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$$f(x) = \begin{cases} \sum_{i=1}^{s} x^{i} & \text{if } x < 0 \\ \int_{1}^{s} x^{i} dx & \text{if } x \in S \\ \tan \pi & \text{otherwise (with } \pi \simeq 3.141) \end{cases}$$

Abstract

This Note analyzes potential problems with the use of MathML for the presentation of mathematics in the notations customarily used with Arabic, and related languages. The goal is to clarify avoidable implementation

details that hinder such presentation, as well as to uncover genuine limitations in limitations in the MathML specification may require extensions in future versions

Status of this Document

This section describes the status of this document at the time of its publication. supersede this document. A list of current W3C publications and the latest revis be found in the W3C technical reports index at http://www.w3.org/TR/.

This Note is a self-contained discussion of Arabic mathematical notation in Mat the handling of Arabic mathematical presentation using MathML 2 Recommend and suggests extensions for a future revision.

This Note has been written by participants in the Math Interest Group (W3C me W3C Math activity. Please direct comments and report errors in this document t list with a public archive.

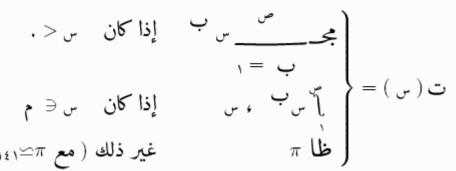
Publication as a Interest Group Note does not imply endorsement by the W3C

document and may be updated, replaced or obsoleted by other documents at any time. It is inappropriate to cite this document as other than work in progress

document and may be updated, replaced or obsoleted by other documents at any time. It is inappropriate to cite Publication as a Interest Group Note does not imply endorsement by the W3C Membership. This is a draft

list with a public archive.

W3C Math activity. Please direct comments and report errors in this document to www-math@w3.org, a mailing





Speech Synthesis Markup Language

W3C°

Speech Synthesis Markup Lan

W3C Proposed Recommendation 23 F

這一晚會如常舉行

This version:

http://www.w3.org/TR/2010/PR-speech-synthesis11-20100223/

Latest version:

http://www.w3.org/TR/speech-synthesis11/

Previous version:

http://www.w3.org/TR/2009/CR-speech-synthesis11-20090827/

Editors:

Daniel C. Burnett, Voxeo (formerly of Vocalocity and Nuance)

双志伟 (Zhi Wei Shuang), IBM

Authors:

Paolo Baggia, Loquendo

Paul Bagshaw, France Telecom

Michael Bodell, Microsoft

胡方 (Hu Fang), Invited Expert (until 20 October 2009)

黄德智 (De Zhi Huang), France Telecom

黄力行 (Lixing Huang), Chinese Academy of Sciences

康永国 (Yongguo Kang), Panasonic Corporation (until 5 December 2007)

楼晓雁 (Lou Xiaoyan), Toshiba

Scott McGlashan, HP

蒙美玲 (Helen Meng), Chinese University of Hong Kong (until 29 July 2009)

陶建华 (Jianhua Tao), Chinese Academy of Sciences

王霞 (Wang Xia), Nokia (until 30 October 2006)

夏海荣 (Xia Hairong), Panasonic Corporation (until 2 August 2006)

吴志勇 (Zhiyong Wu), Chinese University of Hong Kong (until 29 July 2009)

严峻 (Yan Jun), iFLYTEK

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Abstract

The Voice Browser Working Group has sought to develop standards to enable access to the Web using spoken interaction. The Speech Synthesis Markup Language Specification is one of these standards and is designed to provide a rich, XML-based markup language for assisting the generation of synthetic speech in Web and other applications. The essential role of the markup language is to provide authors of synthesizable content a standard way to control aspects of speech such as pronunciation, volume, pitch, rate, etc. across different synthesis-capable platforms.

這一|晚會|如常|舉行

這一|晚會|如|常|舉行

這一晚|會|如常|舉行

different synthesis-capable platforms.

Web and other applications. The essential role of the markup language is to provide authors of synthesizable content a standard way to control aspects of speech such as pronunciation, volume, pitch, rate, etc. across

\blacksquare

Developing requirements

Speech Synthesis Markup Language



Workshop on Conversational Applications

Speech Synthesis Markup Lunguago (Come) Vorcion 1.1

W3C Proposed Recommendation 23 February 2010

This version

http://www.w3.org/TR/2010/PR-speech-synthesis11-20100223/

Latest version:

http://www.w3.org/TR/speech-synthesis11/

Previous version:

http://www.w3.org/TR/2009/CR-speech-synthesis11-20090827/

Editors

Daniel C. Burnett, Voxeo (formerly of Vocalocity and Nuance)

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Use Cases and Requirements for New Models of Human Language to Support Mobile Conversational Systems

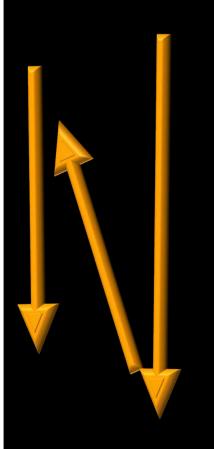
June 18-19, NJ, USA



Current discussions

Vertical text

W3C





Current discussions

Vertical text

W3C

CSS Text Layout Modu

Editor's Draft 5 May 2010

http://dev.w3.org/csswg/css3-text-la

http://www.w3.org/TR/css3-text-lay

http://www.w3.org/tr/2003/CR-css3 Editors:

> Shinyu Murakami (Antenna House) Paul Nelson (Microsoft)

Michel Suignard (Microsoft) Copyright © 2010 W3C8 (MIT, ERCIM, Keio), A

Abstract

This module specifies the text layout mo vertical text.

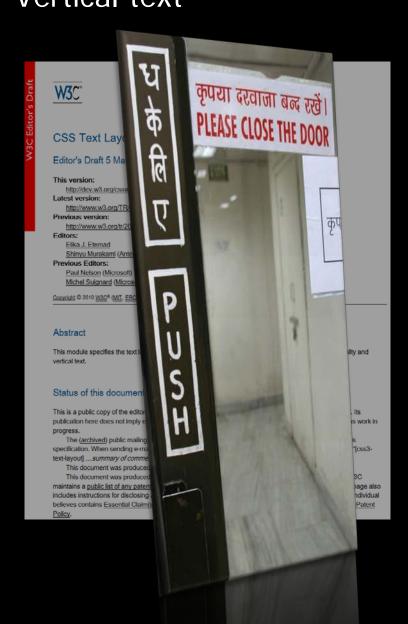
Status of this document

This is a public copy of the editors' draft. publication here does not imply endorse The (archived) public mailing list ww

specification. When sending e-mail, plea text-layout] ... summary of comment..."

This document was produced by a maintains a public list of any patent disc includes instructions for disclosing a pat believes contains Essential Claim(s) mu

Current discussions Vertical text



컨벤션센터를 국제행사의 역협회기 대립해 딸 서울 삼성동에 짓기로 한 왕이나

고리하

3

日 월디컵 유킷신청 15개도시

【東京=襄仁俊巪山紀】劉 「凡多子」是一个人

ENOON I 대회기 に西部はどろ 時日 图下外区 於田屬 病别 過广、立場下級聯 **尼岛地区域出**

외국인 공무원임용제한 國籍圣항

I

저족되는 직책을

> 분 건이를 市市山口 日本の 이 편에를 여구하기

ा प्राचारा मान क्षार काम क の語が記されるできなった。 **Current discussions** Web fonts 6)(M)(M)(M)



Current discussions

Web fonts

```
@font-face {
 font-family: 'battambang-woff';
 font-style: normal;
 font-weight: normal;
 src: url(fonts/khmerosbbang.woff);
:lang(kh) {
 font-family: 'battambang-woff';
 font-size: 100%;
```



Issues

- Rendering detail for complex fonts.
- Subsetting capability may be needed.
- Can only be used for fonts with an appropriate licence.



Current discussions

Language declarations

Editor's Draf



HTML5

A vocabulary and associated APIs for HTML and XHTML

Editor's Draft 4 May 2010

Latest Published Version:

http://www.w3.org/TR/html5/

Latest Editor's Draft:

http://dev.w3.org/html5/spec/Overview.html

Previous Versions:

http://www.w3.org/TR/2009/WD-html5-20090

http://www.w3.org/TR/2009/WD-html5-20090 http://www.w3.org/TR/2009/WD-html5-20090

http://www.w3.org/TR/2008/WD-html5-20080

http://www.w3.org/TR/2008/WD-html5-20080

Editors:

lan Hickson, Google, Inc.

This specification is available in the following formats \$Revision: 1.4073 \$.

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Abstract

This specification defines the 5th major revision of th Markup Language (HTML). In this version, new feat elements are introduced based on research into pre given to defining clear conformance criteria for user :

Status of This document

This section describes the status of this document a supersede this document. A list of current W3C pub this technical report can be found in the W3C technic

If you wish to make comments regarding this docum

```
<html lang="de">
```

<meta http-equiv="Content-Language"
content="de">

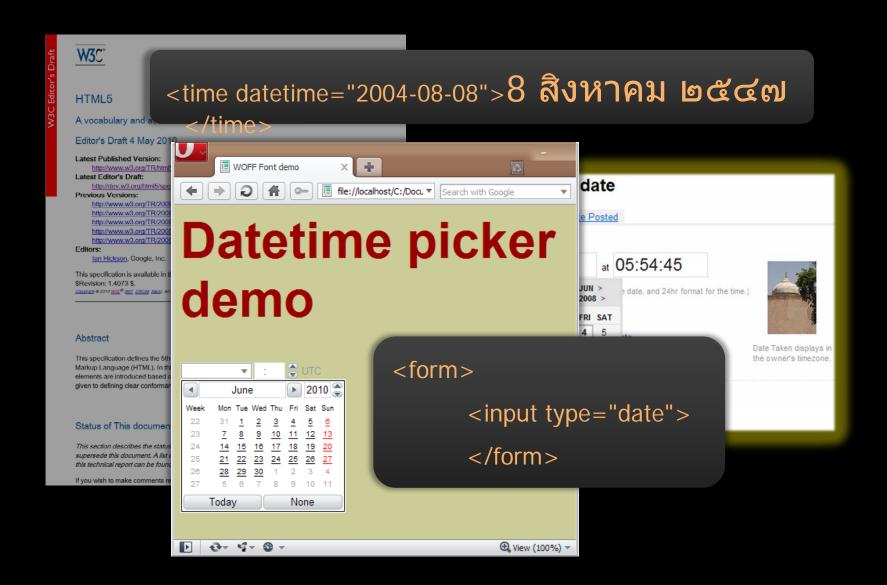
</head>

. . .



Current discussions

Date and time



Current discussions

Ruby annotation

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Abstract

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Abstract

"Ruby" are sh pronunciation associated wit [RUBY].

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Publication as document and



HTML5

A vocabulary and associated APIs for HTML and XHTML

Editor's Draft 4 May 2010

Latest Published Version:

http://www.w3.org/TR/html5/

Latest Editor's Drafts

http://dev.w3.org/html5/spec/Overview.html

http://www.w3.org/TR/2009/WD-html5-20090825/

http://www.w3.org/TR/2009/WD-html5-20090423/

http://www.w3.org/TR/2009/WD-html5-20090212/ http://www.w3.org/TR/2008/WD-html5-20080610/

http://www.w3.org/TR/2008/WD-html5-20080122/

Editors:

lan Hickson, Google, Inc.

This specification is available in the following formats: single page HTML, multipage HTML. This is revision \$Revision: 1.4073 \$.

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Abstract

This specification defines the 5th major revision of the core language of the World Wide Web: the Hypertext Markup Language (HTML). In this version, new features are introduced to help Web application authors, ne elements are introduced based on research into prevailing authoring practices, and special attention has be given to defining clear conformance criteria for user agents in an effort to improve interoperability.





Status of This document

This section describes the status of this document at the time of its publication. Other documents may supersede this document. A list of current W3C publications and the most recently formally published revision of this technical report can be found in the W3C technical reports index at http://www.w3.org/TR/.

If you wish to make comments regarding this document, please send them to public-html-comments@w3.org



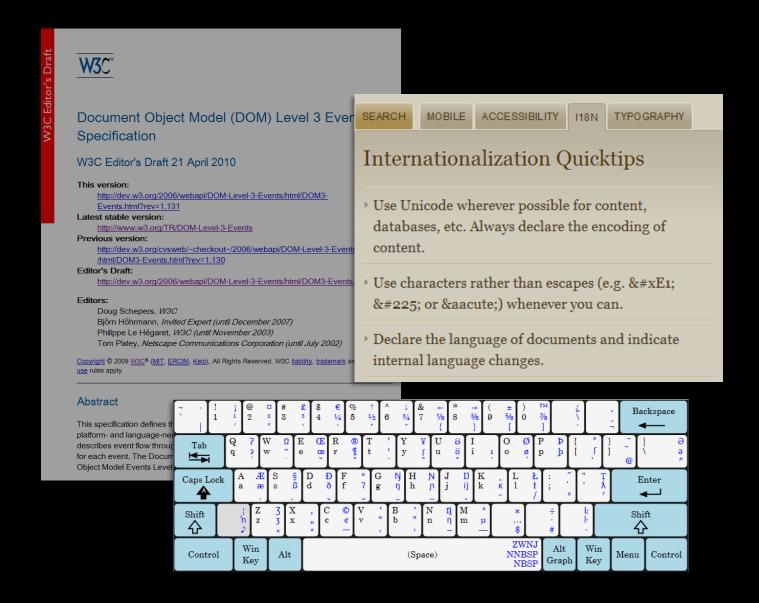
Current discussions Duby appotat

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Ruby annotation
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                            <ruby<rb>凝</rb><rt>ぎょう</rt></ruby>
                               <ruby><rb>視</rb><rt>レ</rt></ruby>
                             HTML5
                               vocabulary and associated APIs for HTML and XHTMI
                           <ruby>凝<rt>ぎょう</rt>視<rt>レ</rt></ruby>
                                http://dev.w3.org/html5/spec/Overview.html
                                 http://www.w3.org/TR/2009/WD-html5-20090825/
                                http://www.w3.org/TR/2009/WD-html5-20090423/
                                http://www.w3.org/TR/2009/WD-html5-20090212
                                http://www.w3.org/TR/2008/WD-html5-20080610/
                            <ruby>
                               <rbc><rb>凝</rb><rb>視</rb></rb>
                               <rtc><rt>ぎょう</rt>し</rt></rt>
                               </ruby>
                             Status of This document
                              This section describes the status of this document at the time of its publication. Other documents may
                              supersede this document. A list of current W3C publications and the most recently formally published revision of
                             this technical report can be found in the W3C technical reports index at http://www.w3.org/TR/.
                             If you wish to make comments regarding this document, please send them to public-html-comments@w3.org
```



Current discussions Key Events



Social context



The rise of the Mobile Web



- "In China ... over 73m people, or 29% of all internet users in the country, use mobile phones to get online."
- "The number of pages viewed in June by 14m users of [Opera] software was over 3 billion, a 300% increase on a year earlier. The fastest growth was in developing countries including Russia, Indonesia, India and South Africa."

Economist.com, Sept. 2008



Mobile Web Initiative



The Web on the Move

Mobile Web Initiative

Home

About MWI

News

Working Groups Sponsorship

Specifications

Resources Center

Making Web access from a mobile device as simple as Web access from a desktop device.



'The Mobile Web Initiative's goal is to make browsing the Web from mobile devices a reality", explains Tim Berners-Lee, W3C Director and inventor of the Web. "W3C and mobile industry leaders are working together to improve Web content production and access for mobile users and the greater Web."

Mobile Web Initiative participants are developing best practices for creating mobile-friendly content and applications, enabling easy access to device descriptions, setting up test suites for increased interoperability of mobile browsers, and exploring ways to use the Web on mobile devices to bridge the digital divide.

LATEST NEWS

- Proposed Recommendation of mobileOK Basic Tests 1.0-3 November 2008
- W3C Organizes Workshop on the Future of Social Networking—14 October 2008
- W3C Organizes Workshop on Security for Access to Device APIs from the Web -9 October 2008

more news...

NEXT MWI EVENT

Most of the MWI staff will be present at the ICT 2008 event, organized by the European Commission, on 25-27 Nov. 08, in Lyon, France. Marie-Claire, Philipp, and Stéphane will be at booth D06, in the International Village

FEATURED SPONSOR

FORUM MODILE WED 2.0 10.0... Mobile Web based industry revitalization" is to develop standards and guidelines for obtaining interoperability of Web contents between various devices and realize visions for constructing the next generation Mobile Web environment.

Become a MWI Sponsor - see other Sponsors

CHECK YOUR SITE / YOUR BROWSER

Is your site mobileOK?

Check!

Drag the mobileOK bookmarklet to your toolbar to quickly check pages: mobileOK check



■■■■ How does your mobile browser fare in the Web Compatibility Test?

■■■ How does your mobile browser fare in to quickly check pages: mobileOK check Drag the mobileOK bookmarklet to your toolbar Best practices

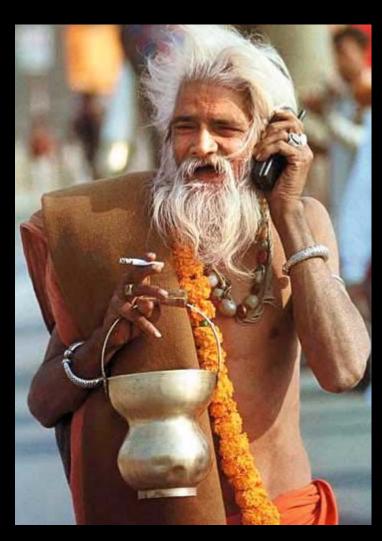
Device descriptions

Test suites

mobileOK checker



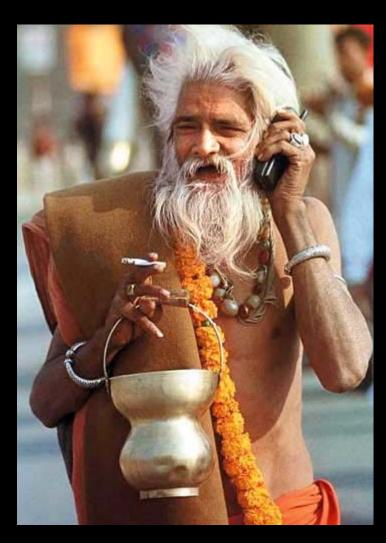
Mobile Web for Developing Society (MW4D)



Track the social impact of the mobile web in the developing world, to ensure that the web's technical standards evolve to serve this rapidly emerging constituency.



MW4D expected outcomes



- A Handbook about how to deploy social-oriented content and applications on mobile
- A roadmap identifying the key actions to launch to lower the barriers for deploying social services, and for accessing it
- A set of resources





This document contains the

Status of this Document

wide Web 1.0: Normalization CharNot in the resource Identifi Model for the World Wide Web 1.0: Resource Identifiers Char

Publication as a Working (

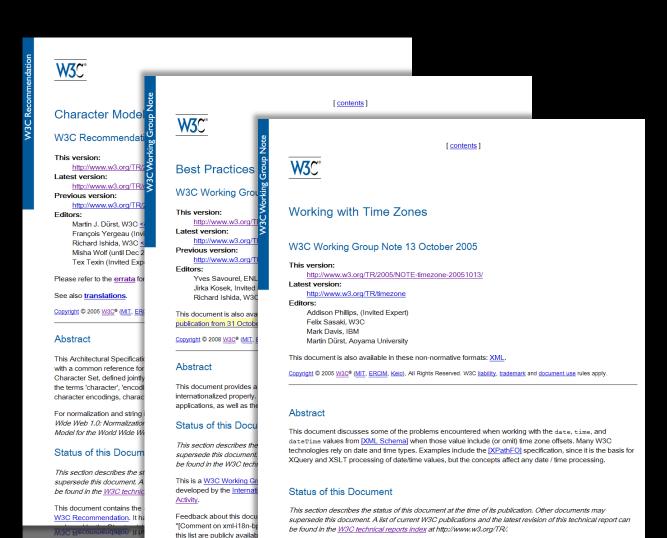
Publication as a Working

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"[Comment on xml-i18n-

Feedback about this doc

Capturing guidance for spec developers



This document discusses the topic of date, time, and dateTime values from [XML Schema] with and without

This document is a W3C Working Group Note. It has been produced by the i18n Core Working Group, which is

This document is a W3C Working Group Note. It has been produced by the I18n Core Working Group, which is

time zone offsets. Examples are given mainly relying on [XML Schema] and [XPathFO], since these are the

basis for [XQuery] and [XSLT 2.0] processing of date/time values.

part of the Internationalization Activity.

part of the Internationalization Activity.

markup for bidirectional text

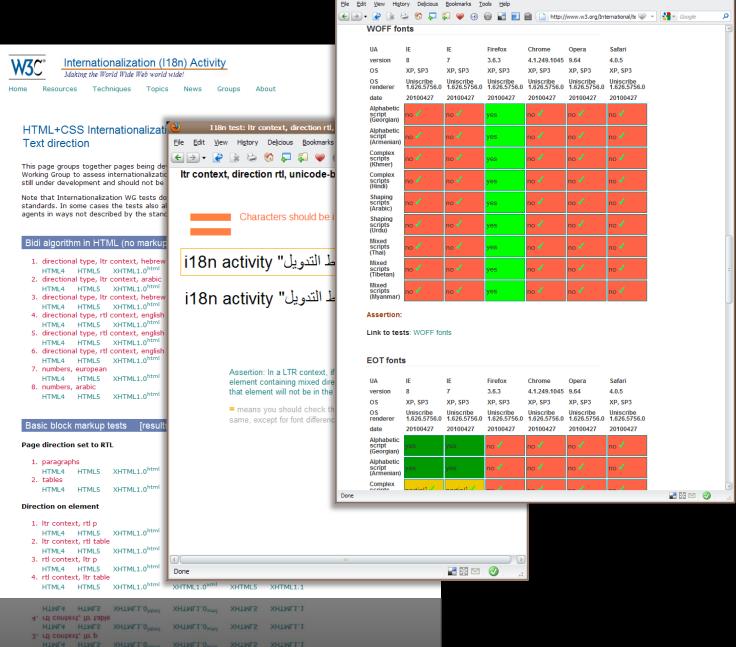
Normalization

working with case sensitivity

more information about date & time



Tests



Test results: Webfonts - Mozilla Firefox



118n resources

Articles

Tutorials

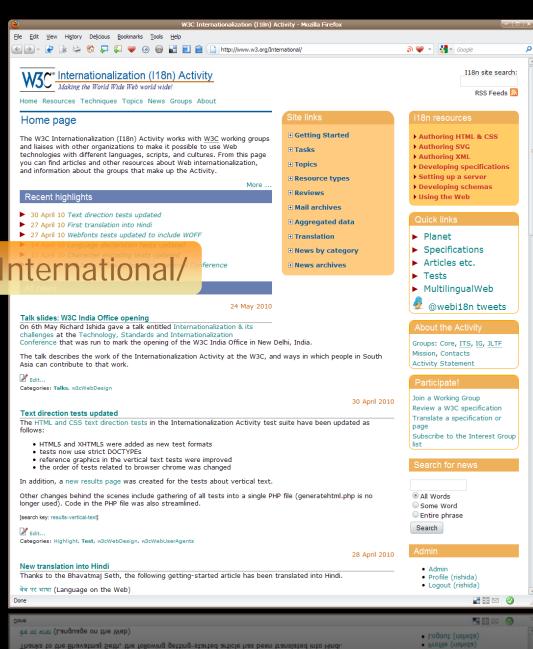
http://www.w3.org/International/

Tests

Talks

Tools

Reviews





Best practices 118n resources

Articles

Tutorials

Technical notes

Tests

Talks

Tools

Reviews



Home Resources Techniques Topics News Groups About



Articles, best practices & tutorials

You can also find resources using the Technique index and Topic index, which provide more fine-grained access to information.

Getting Started

Overview

Introducing character sets and encodings

Language on the Web

Internationalization Quick Tips for the Web

Characters

Character encodings for beginners

Character encodings

Character sets & encodings in XHTML, HTML and CSS

Changing (X)HTML page encoding to UTF-8

Setting encoding in web authoring applications

Using character entities and NCRs

Document character set

CSS character encoding declarations

Setting the HTTP Charset parameter

Setting charset information in .htaccess

Checking HTTP headers

Checking the character encoding using the validator

Character Model for the World Wide Web 1.0: Fundamentals

Display problems caused by the UTF-8 BOM

HTML, XHTML, XML and control codes

Missing characters and glyphs

Who uses Unicode?

Migrating to Unicode

Language

Specifying Language in XHTML & HTML Content

Language tags in HTML and XML

Choosing a language tag NEW!

2-letter or 3-letter language codes

Why use the language attribute?

Setting language preferences in a browser

Declaring Language in XHTML and HTML

xml:lang in XML document schemas

Declaring Language in XHTML and HTML

Choosing a language tag NEW!

> عربی Български Deutsch Ελληνικά Español Français עברית हिन्दी Magyar Italiano 🗄 本語 한국어 Nederlands Polski Português Português-BR Română Русский Svenska ไทย Türkçe Українська Tiếng Anh 简体汉语 繁體

Getting started

Characters

Language

Markup & text

Text direction

Styling & layout

Forms

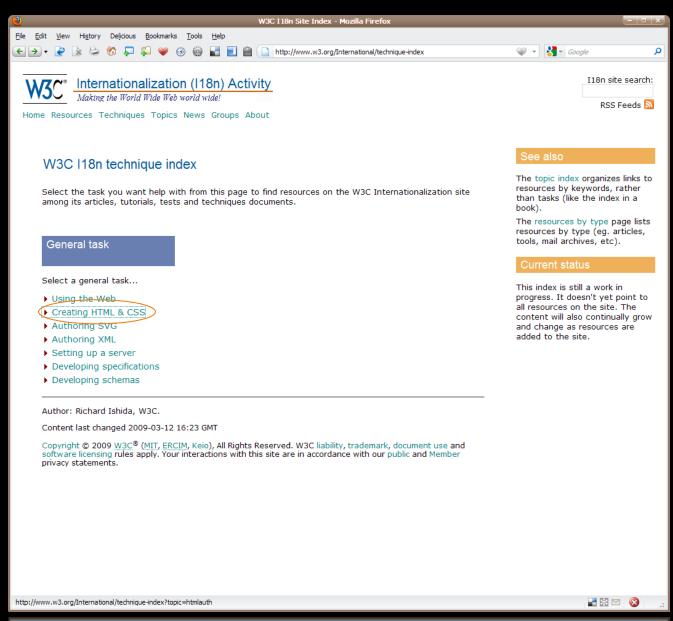
Navigation

Web addresses

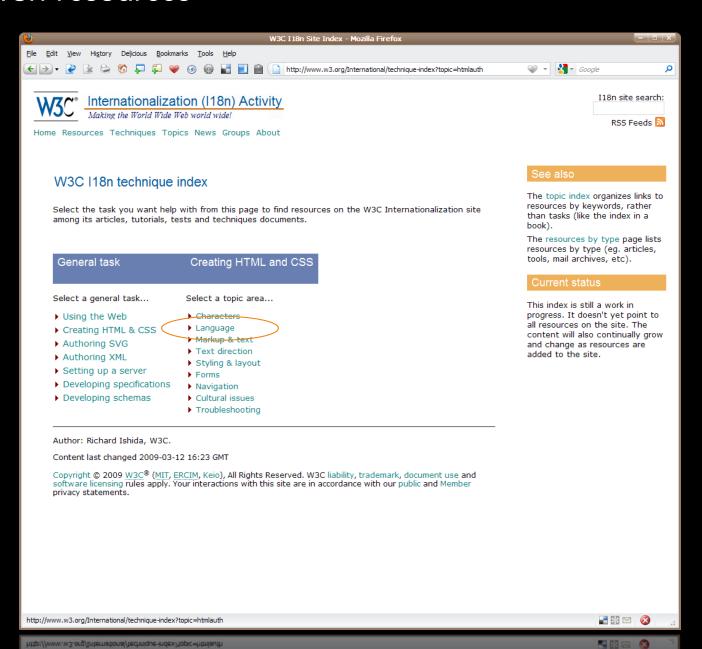
Cultural issues

Other

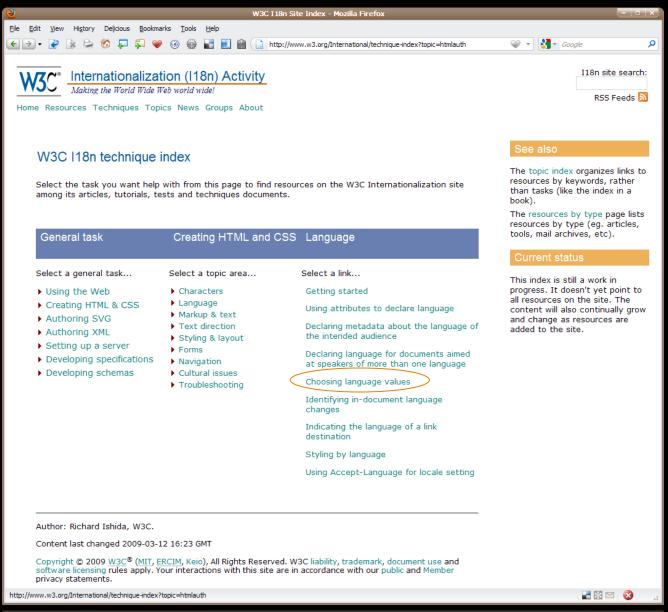




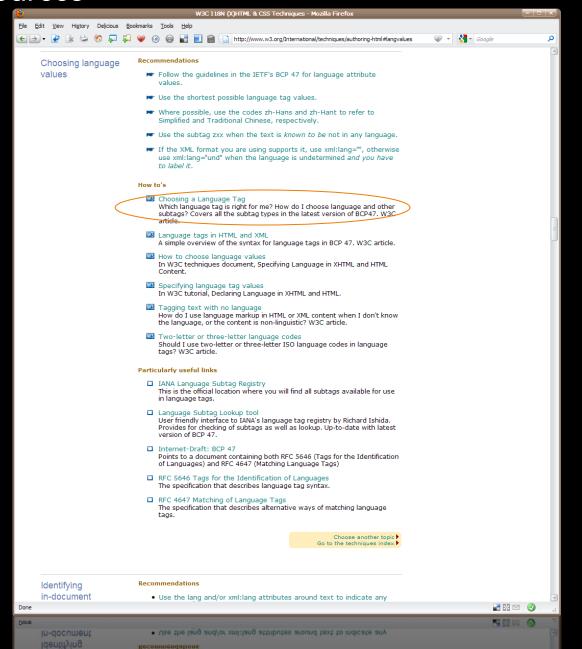
















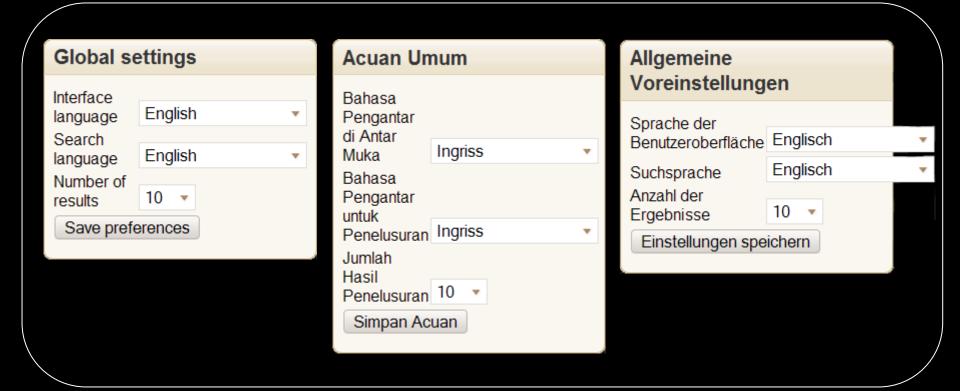


Best practices Text expansion

DochuLa Pass Around 3,100 m high, in Bhutan. © Anyone can see this photo (edit) ploaded on Jan 28, 2007 | Map | Delete 1,414 views / 5 comments

Korean		0.8
English	views	1
Chinese	次檢視	1.2
Portuguese	visualizações	2.6
French	consultations	2.6
German	-mal angesehen	2.8
Italian	visualizzazioni	3

Text expansion





Best practices Checker tool



Soverity Descri



▼ Address
http://rishida.net/tools/i18nchecker/test.php

http://rishida.net/tools/i18nchecker/test.php
Run another check







http:// qa-dev.w3.org/i18n-checker/

XHTML 1.0 :: text/html

- I. Discover
- 2. Check

		ARTML 1.0 :: text/filmi	
Character encoding		Code	
HTTP Content-Type	No charset found.	Content-Type: text/html	
Byte order mark (BOM)	UTF8		
xml declaration	None found.		
meta charset element	iso-8859-1	<pre><meta content="text/html; charset=utf-8" http-equiv="Content-Type"/></pre>	
HTML5 meta charset element	None found.		
Language		Code	
<html lang="</td"><td>kk</td><td><html dir="ltr" lang="kk" xml:lang="to" xmlns="http://www.w3.org/1999/xhtml"></html></td></html>	kk	<html dir="ltr" lang="kk" xml:lang="to" xmlns="http://www.w3.org/1999/xhtml"></html>	
<html xml:lang="</td"><td>to</td><td><pre><html dir="ltr" lang="kk" xml:lang="to" xmlns="http://www.w3.org/1999/xhtml"></html></pre></td></html>	to	<pre><html dir="ltr" lang="kk" xml:lang="to" xmlns="http://www.w3.org/1999/xhtml"></html></pre>	
HTTP Content-Language	ka, ta	Content-Language: ka, ta	
meta content-language element	en,fr,sp	<pre><meta content="en,fr,sp" http-equiv="Content-Language"/></pre>	
Text direction		Code	
Default direction	Itr	<html dir="ltr" lang="kk" xml:lang="to" xmlns="http://www.w3.org/1999/xhtml"></html>	
Class & id names		Code	
Non-ascii class or id names	8	Show list	
Non-NFC class or id names	4	Show list	
Request headers			
Accept-Language	en,pt-br;q=0.8,fr;q=0.5,ch;q=0.3		
Accept-Charset	ISO-8859-1,utf-8;q=0.7,*;q=0.7		
		÷ TOE	

What is it?



Thematic Network funded by the European Commission through the ICT PSP Grant Agreement No. 250500, and as part of the Competitiveness and Innovation Framework Programme.

Coordinated by W3C/ERCIM.

Runs for 24 months from 1 April 2010.

4 public events to examine how the multilingual Web can be improved through standards and best practices.

Objectives

Improve the Multilingual Web by:

- Increasing visibility and use of existing best practices and standards.
- Acting as catalyst for future projects related to standardization, best practices and tools development.
- Creating network links across organizations, scientific disciplines & industry application areas.
- Improving use of standards & best practices in the creation of pages using (X)HTML and CSS by content developers.
- Improving support for multilingual features in Web user agents.

Partners

- Aalto-Korkeakoulusaatio (Finland)
- Bioloom Group, Germany
- Consiglio Nazionale delle Ricerche, Italy
- European Commission,
 Directorate-General for
 Translation, Luxembourg
- Facebook Ireland
- University of Applied Sciences (UAS) Potsdam, Germany
- Institut Josef Stefan, Slovenia
- Institutulde Cercetari Pentru Intelegentia Articificiala (RACAI), Romania
- Language Technology Centre, UK
- Lionbridge Belgium
- LISA, Switzerland

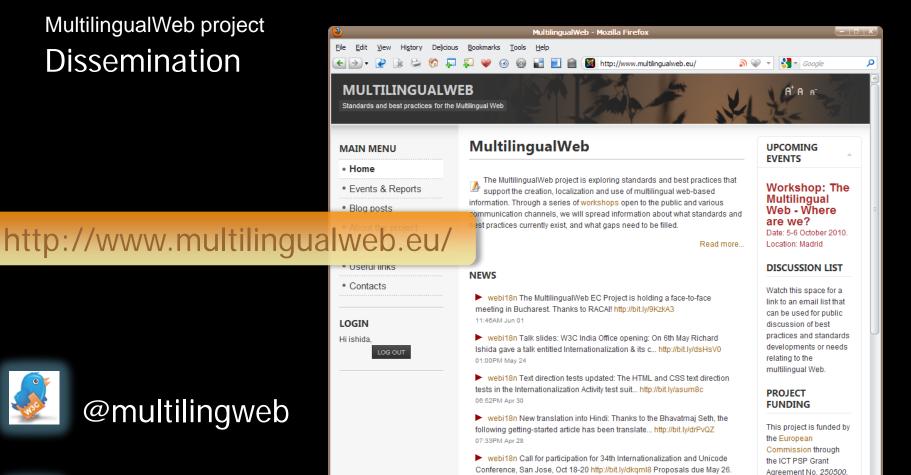
- Microsoft Ireland
- Opera Software, Norway
- SAP, Germany
- Translation Automation User Society (TAUS), Netherlands
- University of Oviedo (ILTO),
 Spain
- Universidad Politécnica de Madrid (UPM), Spain
- Language Resource Centre (LRC), Ireland
- University of Economics, Prague, Czech Republic
- Transware Ltd (WeLocalize), Ireland
- W3C/ERCIM, France (coordination)
- XML-INTL, UK

Events

- Launch event: The Multilingual Web Where are we?
 5-6 October 2010, Madrid, Spain
- Workshop: Content creation.
 March 2011, Pisa, Italy
- Workshop: Translation tools.
 September 2011, Limerick, Ireland
- Workshop: TBD.
 February 2012, Luxembourg



MultilingualWeb project Dissemination



webi18n May 6-7, 2010 free W3C India "World Wide Web: Technology,

Standards and Internationalization-2010" mtg, New Delhi, http://bit.ly/ctJgtv

webi18n First translation into Hindi: Thanks to the Bhavatmaj Seth, the following article has been translated into Hindi. ... http://bit.ly/cVrEv4

webi18n Webfonts tests updated to include WOFF: The CSS webfonts tests in the Internationalization Activity test suite hav... http://bit.ly/bZg0y5

 webi18n cool new @w3c cheatsheet from @dontcallmedom contains quick tips for internationalization with links to more info http://bit.lv/drlVXq

and as part of the Competitiveness and

Programme.

Innovation Framework

08:51AM Apr 28

08:40AM Apr 28

05:25PM Apr 27

01:09PM Apr 27

Done



@multilingweb



Getting involved...

Getting involved

- Follow the discussions on the il8n mailing lists (eg. www-international@w3.org), and track other technologies for internationally relevant topics. Follow our RSS feeds and twitter channels (@webil8n and @multilingweb)
- Read and review specifications (http://www.w3.org/TR/trtechnology-drafts) and send comments to the i18n list or direct to the Working Group.
- Discuss local requirements for the Multilingual Web, and if you identify missing features, find ways to coordinate proposals.
- Use features needed for non-Latin script support and push implementers to include more in browsers and authoring tools.

Getting involved

- Review or contribute to development/dissemination of outreach materials, to help others understand how to implement and use international features of the Web.
- Take on board that internationalization is something done by developers and designers – not localizers. Find out how to do it. (http://www.org/International/)
- Use Unicode wherever you can.
- Consider how your content will appear on the Mobile Web.
- Participate in the MultilingualWeb events planned over the coming year and a half.
- Use the II8n Checker (http://qa-dev.w3.org/i18n-checker/) and send ideas for improvements.
- Don't rely on us to do the work for you! We need your help.



The Web needs your help

this is your Web – not the W3C's

the Web is about people, not technology

we need You to make the Web worldwide

get involved



Thank you http://www.w3.org/International/talks/1006-berlin/