## UASG.TECH Content

As of July 2023

| Document | Summary | Link | Languages | Date Last Updated |
|---|---|---|---|---|
| **UASG 001** UA Knowledge Base | Suggested text that people can use to reach out to a website when their domain name doesn't resolve. | https://uasg.tech/wp-content/uploads/documents/UASG001-en-digital.pdf | English | 6 June 2018 |
| **UASG 002** Webmaster Engagement Letter | Suggested text to reach out to webmasters whose websites are not UA-ready. | https://uasg.tech/wp-content/uploads/documents/UASG002-en-digital.pdf | English | 28 June 2017 |
| **UASG 003** UA Fact Sheet | Universal Acceptance at a glance, why it matters and how to take action. | https://uasg.tech/wp-content/uploads/documents/UASG003-en-digital.pdf | Arabic, Chinese, English, French, Portuguese, Russian, Spanish | 21 August 2017 |
| **UASG 004** Use Cases for UA-Readiness Evaluation | Use cases for developers for evaluating systems for Universal Acceptance-readiness. | https://uasg.tech/download/uasg-004-use-cases-for-ua-readiness-evaluation-en/ | English | 18 November 2021 |
| **UASG 005** UA Quick Guide | Definitions of key terms and recommended next steps for becoming UA-ready. | https://uasg.tech/wp-content/uploads/documents/UASG005-en-digital.pdf | Arabic, Chinese, English, French, Russian, Spanish | 24 April 2019 |
| **UASG 006** Relevant RFCs | Requests for comments related to Internationalized Domain Names, | https://uasg.tech/wp-content/uploads/documents/UASG006-en-digital.pdf | Arabic, Chinese, English, | 9 May 2019 |

| | | | | |
|---|---|---|---|---|
| | Internationalized Email and other issues relevant to Universal Acceptance. | | French, Russian, Spanish | |
| **UASG 007** Introduction to UA | An overview of the baseline concepts of Universal Acceptance and an introduction to advanced topics such as right-to-left scripts, the Bidi algorithm and Normalization. | https://uasg.tech/wp-content/uploads/documents/UASG007-en-digital.pdf | Arabic, Chinese, English, French, Russian, Spanish | 23 Sept. 2019 |
| **UASG 008** UASG and Local Engagement | | https://uasg.tech/wp-content/uploads/2019/03/12-UASG008-UA-and-Local-Engagement-v1.pdf | English | 29 February 2016 |
| **UASG 009** Quick Guide to Tender and Contractual Documents | Includes details on Good Practice clauses for Universal Acceptance as well as IPv6 and DNSSEC. | https://uasg.tech/wp-content/uploads/documents/UASG009-en-digital.pdf | English | 28 April 2016 |
| **UASG 010** Quick Guide to Linkification | An introduction to linkification, its challenges and good practice recommendations. | https://uasg.tech/wp-content/uploads/documents/UASG010-en-digital.pdf | English | 28 Sept. 2017 |
| **UASG 011** Frequently Asked Questions | A list of questions and answers relating to UA. | https://uasg.tech/wp-content/uploads/documents/UASG011-en-digital.pdf | English | 23 August 2016 |
| **UASG 012** EAI: A Technical Overview | A technical overview of EAI. | https://uasg.tech/wp-content/uploads/documents/UASG012-en-digital.pdf | English, Russian | 19 May 2018 |

| | | | | |
|---|---|---|---|---|
| **UASG 013C.2** ICANN UA Case Study | ICANN UA Case Study | https://uasg.tech/wp-content/uploads/2020/03/UASG_ICANN_Case_Study_UASG013C.2.pdf | Arabic, Chinese, English, French, Russian, Spanish | 30 March 2020 |
| **UASG 014** Quick Guide to EAI | An introduction to EAI (Email Address Internationalization), and items for email software developers and email service providers to consider. | https://uasg.tech/wp-content/uploads/documents/UASG014-en-digital.pdf | English | 9 May 2018 |
| **UASG 015** Blueprint for CIOs – Internet Industry Edition | Provides a blueprint for CIO's to use in addressing Universal Acceptance issues. Internet Industry specific tables are used. | https://uasg.tech/wp-content/uploads/documents/UASG015-en-digital.pdf | English | 1 June 2017 |
| **UASG 016** UA of Popular Browser | Report on major browsers compliance with UASG guidance. | https://uasg.tech/wp-content/uploads/documents/UASG016-en-digital.pdf | English | 26 Sept. 2017 |
| **UASG 017** Evaluation of Websites for Acceptance of a Variety of Email Addresses | Report on more than 1000 websites ability to accept email addresses based on the new top-level domains. | https://uasg.tech/wp-content/uploads/documents/UASG017-en-digital.pdf | English | 25 Sept. 2017 |
| **UASG 018** Programming Language Criteria | Reviewing programming languages and frameworks for compliance with universal acceptance good practice. | https://uasg.tech/wp-content/uploads/documents/UASG018-en-digital.pdf | English | 1 May 2019 |
| **UASG 018A** | This document describes the results of verifying the UA | https://uasg.tech/wp-content/uploads/documents/UASG018A-en-digital.pdf | English | 6 Sep. 2020 |

| | | | | |
|---|---|---|---|---|
| UA Compliance of Some Programming Language Libraries and Frameworks | readiness of C, C#, Go, Java, Javascript, Python3, Rust and frameworks, including the testing of internationalized email. | Test Report | | |
| **UASG 018B** **EAI:** A Technical Perspective | Results of an informal survey of mail servers across domains registered in hundreds of top-level domains (TLDs) to see whether they have mail servers that accept EAI mail. | PDF: https://uasg.tech/wp-content/uploads/documents/UASG019B-en-digital.pdf<br><br>PPT: https://uasg.tech/wp-content/uploads/documents/UASG019B-en-digital.pptx | English | Jan. 2021 |
| **UASG 019A** UA – Technical Perspective | UA – A Technical Perspective | https://uasg.tech/wp-content/uploads/documents/UASG019A-en-digital.pptx (PowerPoint) | English | 7 February 2018 |
| **UASG 019B** EAI: A Technical Perspective | Results of an informal survey of mail servers across domains registered in hundreds of top-level domains (TLDs) to see whether they have mail servers that accept EAI mail. | https://uasg.tech/wp-content/uploads/documents/UASG019B-en-digital.pdf (PDF)<br><br>https://uasg.tech/wp-content/uploads/documents/UASG019B-en-digital.pptx (PowerPoint) | English | 9 February 2019 |
| **UASG 021A** EAI: Evaluation of Major Email Software and Services | Provides details on the Discovery and Analysis phase of the EAI Evaluation project. | https://uasg.tech/wp-content/uploads/documents/UASG021A-en-digital.pdf | English | 19 Sept. 2019 |
| **UASG 021B** EAI: Evaluation of Major Email | Provides details on the Discovery and Analysis | https://uasg.tech/wp-content/uploads/documents/UASG021B-en-digital.pdf (PDF) | English | 30 Sept. 2019 |

| | | | | |
|---|---|---|---|---|
| Software and Services | phase of the EAI Evaluation project. | https://uasg.tech/wp-content/uploads/documents/UASG021B-en-digital.pptx (PowerPoint)<br><br>EAI Pilot Test Cases (Excel)<br><br>EAI Pilot Evaluation Template (Word) | | |
| **UASG 021D**<br>EAI Readiness in TLDs | Results of an informal survey of mail servers across domains registered in hundreds of top-level domains (TLDs) to see whether they have mail servers that accept EAI mail. | https://uasg.tech/wp-content/uploads/documents/UASG021D-en-digital.pdf | English | February 2019 |
| **UASG 024**<br>UA Readiness of Command Line Networking Tools | Modern operating systems have a variety of command line tools used in system management and program development. | https://uasg.tech/wp-content/uploads/documents/UASG024-en-digital.pdf | English | 1 May 2019 |
| **UASG 025**<br>Global Evaluation of Websites for Acceptance of E-mail Addresses in 2019 | Evaluate UA compliance of the top 1K websites in the world by sampling the practices & different development approaches to the e-mail field in forms on the Web and testing them in practice. | https://uasg.tech/wp-content/uploads/documents/UASG025-en-digital.pdf (PDF)<br><br>https://uasg.tech/wp-content/uploads/documents/UASG025-en-digital.pptx (PowerPoint) | Arabic, Chinese, English, French, Russian, Spanish | 9 August 2019 |
| **UASG 026**<br>UA Readiness Framework | Technical guide that provides a framework for scoping UA conformance work on software applications, focusing on the major components of an application to help developers more easily problem solve. | https://uasg.tech/wp-content/uploads/documents/UASG026-en-digital.pdf (PDF) | English, Russian | 6 April 2020 |

| | | | | |
|---|---|---|---|---|
| **UASG 027** Country-based Evaluation of Websites for Acceptance of Email Addresses in 2020 | A follow up to testing done in 2018 and 2019 (UASG025), this document evaluates the acceptance rates of internationalized email addresses by websites in different countries. | https://uasg.tech/wp-content/uploads/documents/UASG027-en-digital.pdf | English | 21 April 2020 |
| **UASG 028** Considerations for Naming Internationalized Email Mailboxes | Considerations for email system administrators to provision mailboxes, configure, and manage systems compatible with internationalized email addresses. | https://uasg.tech/wp-content/uploads/documents/UASG028-en-digital.pdf | English | 2 Nov. 2020 |
| **UASG 029** Universal Acceptance Readiness Report FY20 | This report captures a summary of scope of UA, documents the current gaps in technology related to UA-readiness, and provides an update on the activities undertaken by the UASG in FY20. | https://uasg.tech/wp-content/uploads/2020/09/UASG-FY20-Readiness-Report-20200917.pdf | English | 1 Sep. 2020 |
| **UASG 030** Evaluation of EAI Support in Email Software and Services Report | Tests the different components of the email technology stack, the Mail User Agent (MUA), Mail Submission Agent (MSA), Mail Transfer Agent (MTA), Mail Delivery Agent (MDA), and Mail Service Provider (MSP) of different software packages. | https://uasg.tech/wp-content/uploads/documents/UASG030-en-digital.pdf | Arabic, Chinese, English, French, Spanish | 8 Dec. 2020 |
| **UASG 030A** EAI Software test Results | This report is a follow up to UASG030 and tests the EAI readiness of seven additional software packages: Mozilla | https://uasg.tech/wp-content/uploads/documents/EAI-Software-Test%20Results-UASG030A.pdf | English | 1 June 2021 |

| | | | | |
|---|---|---|---|---|
| | Thunderbird Beta, Xgenplus and Spamjadoo, Sendmail 8.17 alpha, Halon, Dovecot, Mailchannels, and Spamassassin. | https://uasg.tech/wp-content/uploads/documents/UASG030A-PowerPoint.pptx (PowerPoint) | | |
| **UASG 031** FAQs: UA Readiness of Programming Languages and Email Tools | Provides answers to Frequently Asked Questions (FAQs) regarding UA support in programming languages and frameworks, and support for EAI in email tools and services. | https://uasg.tech/wp-content/uploads/documents/UASG031-en-digital.pdf | English | 25 Feb. 2021 |
| **UASG 032** UA of Content Management Systems (CMS) Phase 1 - WordPress | Testing of UA readiness in Content Management Systems, namely WordPress and its associated plugins. Report determines how well the software complies with the UA readiness of Internationalized Domain Names (IDNs), path Internationalized Resource Identifiers (IRIs), and Email Address Internationalization (EAI). | https://uasg.tech/wp-content/uploads/documents/UASG032-en-digital.pdf | English | 1 May 2021 |
| **UASG 033** UA-Readiness of Open Source Code Pilot | An evaluation of the strategies to be used to discover and improve UA-associated code in open source software. | https://uasg.tech/wp-content/uploads/documents/UASG033-en-digital.pdf<br><br>https://uasg.tech/wp-content/uploads/documents/UASG033-en-digital.pptx (PowerPoint) | English | 23 April 2021 |
| **UASG 034** UA-Readiness Report FY21 | This report captures a summary of scope of UA, documents the current gaps in technology related to UA-readiness, and provides an | https://uasg.tech/download/uasg-034-universal-acceptance-readiness-report-fy21-en/ | | 1 September 2021 |

| | | | | |
|---|---|---|---|---|
| | update on the activities undertaken by the UASG | | | |
| **UASG 035** UA-Readiness of Social Media Platforms | UA-readiness evaluation of the most popular social media applications used worldwide. | https://uasg.tech/download/uasg-035-ua-readiness-of-social-media-platforms-en/<br><br>https://uasg.tech/download/uasg-035a-ua-readiness-of-social-media-platforms-en/ (PPT) | | |
| **UASG 036** UA-Readiness of Browsers | Updated UA-readiness evaluation of widely used browsers that now includes bookmark and favorites testing. | https://uasg.tech/download/uasg-036-ua-readiness-of-browsers-en/<br><br>https://uasg.tech/download/uasg-036a-ua-readiness-of-browsers-en/ (PPT) | English | 17 January 2022 |
| **UASG 037** UA-Readiness of Some Programming Language Libraries and Frameworks | | https://uasg.tech/download/uasg-037-ua-readiness-of-some-programming-language-libraries-and-frameworks-en/ | English | 25 January 2022 |
| **UASG 038** UA Messaging for Social Relevancy, Business Opportunities and Career Opportunities | Universal Acceptance (UA) messaging for various stakeholders on how UA enables digital inclusivity, provides business opportunities, and delivers career growth. | https://uasg.tech/download/uasg-038-universal-acceptance-ua-messaging-for-social-relevancy-business-opportunities-and-career-opportunities/ | Arabic, Chinese, English, French, Spanish | 20 April 2022 |
| **UASG 039** EAI Acceptance Rates of the Top 2,000 Global Websites in 2022 | Updated EAI testing of the top 2,000 global websites. | https://uasg.tech/download/uasg-039-eai-acceptance-rates-of-the-top-2000-global-websites-in-2022-en/ (PDF)<br><br>https://uasg.tech/download/uasg-039a-eai-acceptance-rates-of-the-top-2000-global-websites-in-2022-en/ (PPT) | English | 1 June 2022 |
| **UASG 040** UA-Readiness Evaluation of | | https://uasg.tech/download/uasg-040-ua-readiness-evaluation-of-standards-and-best-practices/ | English | 1 March 2022 |

| | | | | |
|---|---|---|---|---|
| Standards and Best Practices | | | | |
| **UASG 041** UA-Readiness Report for FY22 | Documents the state of UA-readiness of different software applications, technologies, and frameworks. Summarizes outreach and training efforts conducted to address gaps in UA-readiness. | https://uasg.tech/wp-content/uploads/2022/08/UA-Readiness-Report-FY22.pdf | English | 25 August 2022 |
| **UASG 042** UA-Readiness of Web Hosting Tools | UA-readiness testing of some popular web hosting tools (cPanel, Plesk, and ISPConfig). | https://uasg.tech/download/uasg-042-ua-readiness-of-web-hosting-tools-cpanel-plesk-ispconfig-en/ (PDF)<br><br>https://uasg.tech/download/uasg-042a-ua-readiness-of-web-hosting-tools-cpanel-plesk-ispconfig/ (PPT) | English | 13 September 2022 |
| **UASG 043** UA-Ready Code Samples in Java, Python, and JavaScript | UA-ready code samples that can be used freely (BSD 3 License included) to make software systems completely UA-ready. | https://uasg.tech/download/uasg-043-ua-ready-code-samples-in-java-python-and-javascript-en/ (PDF) | English | 26 October 2022 |
| **UASG 044** EAI Technical Education and Awareness Directed at Developer Community Websites | | https://uasg.tech/download/uasg-044-eai-technical-education-and-awareness-directed-at-developer-community-websites-en/ (PDF)<br><br>https://uasg.tech/download/uasg-044a-eai-technical-education-and-awareness-directed-at-developer-community-websites-proposed-faqs/ (PDF) | English | 15 December 2022 |
| **UASG 045** UA-Readiness of Popular Identity Platforms (Okta, Auth0, OpenIAM) | | https://uasg.tech/download/uasg-045-ua-readiness-of-popular-identity-platforms-okta-auth0-openiam/ (PDF)<br><br>https://uasg.tech/download/uasg-045a-ua-readiness-of-popular-identity-platforms-okta-auth0-openiam/ (PPT) | English | March 2023 |

| | | | | |
|---|---|---|---|---|
| **UASG 046**<br>UA Remediation for Top Global Websites | | https://uasg.tech/download/uasg-046-ua-remediation-for-top-global-websites/ (PDF)<br><br>https://uasg.tech/download/uasg-046a-ua-remediation-for-top-global-websites/ (PPT) | English | May 2023 |
| Introduction to UA for ICANN Technology Partners | Presentation on UA for ICANN technology partners. | https://www.icann.org/en/system/files/files/presentation-intro-universal-acceptance-technology-partners-05mar21-en.pdf | English | March 2021 |
| UA Case Studies | Multiple case studies on UA. | https://uasg.tech/case-studies/ | | |
| White Paper on UA | The UASG commissioned technology consulting and research firm Analysys Mason to look at the social, cultural and economic benefits of Universal Acceptance. | https://uasg.tech/wp-content/uploads/2017/04/Unleashing-the-Power-of-All-Domains-White-Paper.pdf | English | 11 April 2017 |
| White Paper on the Role of ccTLDs in Achieving UA | Prepared by the Asia Pacific Top Level Domain Association (APTLD) in collaboration with ICANN. | https://aptld.org/documents/working-papers/17880/ | English | July 2021 |
| Paper: Breaking the Linguistic Barriers to Access the Internet | Explains how the DNS is expanding so that it now allows for using domain name suffixes (called top-level domains) to be represented in different scripts used around the world. | https://uasg.tech/wp-content/uploads/2019/07/Breaking-the-Linguistic-Barriers-to-Access-the-Internet.pdf | English | May 2019 |
| An Introduction to Universal Acceptance | Generic PowerPoint Deck. | Available upon request. | Arabic, Chinese, English, French, | 17 June 2019 |

| | | | | |
|---|---|---|---|---|
| | | | Russian, Spanish | |
| UA Training Materials | PowerPoint presentations and session recordings<br><br>Includes trainings for technical audiences, Java developers, email system administrators, and more. | https://community.icann.org/display/TUA/UA+Training+Materials | | |