Internet Safety Technical Task Force
Technology Submission Template

Kidsnet
http://www.kidsnet.com

PLEASE SUBMIT BY JULY 21, 2008

ABSTRACT
This template describes the formatting and content requirements for submissions to the Internet Safety Technical Task Force's Technical Advisory Board. (This format should be familiar to any technologist who has submitted to ACM publications.) Please follow the structure of the template below. If necessary, please repeat information to accord with the template questions and layout. *Please note: Your submission should be no longer than four pages including diagrams and bibliography.*

Keywords
Provide 1-5 keywords to describe the submitted technology. Sample keywords that might be useful in this context are: filtering, searching, identification, verification, parental controls, and forensics.

Internet Filtering
Whitelist
Cloud Internet Filter

Functional Goals
Please indicate the functional goals of the submitted technology by checking the relevant box(es):
- ☐ Limit harmful contact between adults and minors
- ☐ Limit harmful contact between minors
- ☑ Limit/prevent minors from accessing inappropriate content on the Internet
- ☐ Limit/prevent minors from creating inappropriate content on the Internet
- ☐ Limit the availability of illegal content on the Internet
- ☐ Prevent minors from accessing particular sites without parental consent
- ☐ Prevent harassment, unwanted solicitation, and bullying of minors on the Internet
- ☐ Other – please specify

PROBLEM INTRODUCTION
Briefly introduce the problem being addressed, citing any relevant studies. Briefly introduce the proposed solution. If the submitted technology addresses multiple problems (e.g. has multiple goals per the subsection above), please list separately each problem-solution combination.

Problem = minors accessing age inappropriate content on the Internet. Minors are not able to fully "process" adult sexual, violent, and other content.

PROPOSED SOLUTION
Describe the technical solution being proposed. Again if the technology addresses multiple problems with each a separate solution, please address each solution separately. This solution description should include enough detail to allow an assessment of whether or not the proposed solution could solve the problem being addressed. The audience for this description will be computer scientists, security experts, and engineers. When in question, the authors should err on the side of being more technical rather than less. The submission should resemble an ACM/IEEE submission in both style and substance.

Kidsnet is an Internet / Web Filtering solution only. It is designed to prevent children from accessing inappropriate web site content. The Kidsnet solution is a "proxy lock" that modifies the system registry entries for browsers (IE, Firefox, etc) so they browse/access the internet through one of the Kidsnet servers and data centers (currently FL or CA in the USA). The proxy servers only allow access to web sites in the Kidsnet database that are not in a category that is disallowed for that child's settings.

In Addition to the Above Description, Please Address Each of the Following:
- Describe the solution's technical attributes, e.g. features and functionality.
  Kidsnet is installed from a web page directly into the browser. Only filters port 80 web traffic.
- Provide use cases.
  1. A parent goes to www.kidsnet.com and clicks on buy
  2. after purchase they are given access to the setup and installation area where they select the settings/filter level and install the software
  3. Any use of the browser until uninstall is "filtered" through a Kidsnet proxy server.
- Specify what the technology successfully solves and what it does not. Describe how the technology's effectiveness is evaluated, measured, and tested.
  Solves the problem of children accidentally being tricked or purposefully going to web sites with content their parents do not want them to view. Measured by QA, customer feedback and independent reviews.
- Provide a strengths-weaknesses analysis.
  Strength – can only access "pre approved" websites
  Strength – 100% of websites reviewed by trained reviewers

Weakness – only blocks port 80 web traffic
Weakness – disallows sites that have not been reviewed

- Detail the implementation requirements (hardware, software, end user aptitudes).
- Auto install requires Windows operating system 95 or higher, Internet Explorer 5 or higher or Firefox 2 or higher. User must be able to access and navigate web site – installation is directly from a web page and administration / changes are also accomplished from a web page. There is no software or user interface except when a user attempts to access a web site that is disallowed or if the parent specifically goes to the administration web pages.
- Describe the technical standards used in implementing the proposed technology and identify the standards bodies that are the home of existing or proposed future standards.
  Typical Web page standards (W3C, etc) and ICRA / fosi standards for web site content review.
- Discuss the technology's reliance and use of law and policy for success.
  None
- Discuss the viability of the technology in both the US and international context.
  High viability due to easy of use, updates, and maintenance
- Detail effectiveness to date. Please provide any information possible on "failures" of the technology.
  Please see www.kidsnet.com for more information.

EXPERTISE

Describe the expertise of the company/developers. If appropriate, indicate other clients and products in this space.

Mr. Bob Dahlstrom the Founder of Kidsnet is a former full time faculty member at Florida State University where he taught undergraduate and graduate classes in the Department of Communication. Kidsnet (dba BluePrint Data) is also the content manager for the kids.us domain.

COMPANY OVERVIEW

Please provide a description of the company including but not limited to information about founders and key team members, sources of capital, revenue (if relevant), customer base, growth, partnerships, participation in standards bodies, etc. Information submitted in this section will vary depending on a company/organization's stage in lifecycle. Our goal is to understand the context around the technology you have submitted for review.

Please see http://www.blueprintdata.com/about.htm

BUSINESS MODEL OVERVIEW

Please discuss direct and indirect costs to all potential users. Please also comment on distribution model to non-profits, start-up sites and services, and other organizations that might not be able to afford full price for this technology. Our goal is to understand financial accessibility and cost implications for all existing and new players.

Low cost versions are available see http://kidsnet.com/free/

MORE INFORMATION

Feel free to provide a URL that readers can go to for more information. This may include videos, detailed specs, or anything else that might be relevant. Indicate in this document what the readers might find if they go to the URL. This is a great place for information you would like to include that does not otherwise fit the structure of this document.

CONTACT INFORMATION

The final section of this document should contain basic contact information, including a contact name, email, phone number, and address for follow up. Please send any relevant additional information about contacting the people listed here to tab@cyber.law.harvard.edu.

CERTIFICATION

At the end of your submission, you should include the following statement: "I certify that I have read and agree to the terms of the Internet Safety Technical Task Force Intellectual Property Policy." The IP Policy can be found at http://cyber.law.harvard.edu/research/isttf/ippolicy.

USE OF THIS DOCUMENT

This document should not contain information that cannot be made available to the public. (See Legal Notice below) This submission will be made available to the Technical Advisory Board, the Task Force, and the Attorneys General. Additionally, after initial review, submissions may be made public and published online for public commentary. Please note that you must be prepared, in any follow-up discussions on your submission with the Task Force, to provide sufficient, non-confidential details and explanation about how your technical solution works and upon what information it relies, in order to allow the Task Force meaningfully to evaluate your solution.

NOTE: THE SUBMISSION TEMPLATE ENDS HERE -- FORMAT INSTRUCTIONS FOLLOW BELOW. PLEASE DELETE THE FORMAT INSTRUCTIONS FROM YOUR DOCUMENT PRIOR TO SUBMISSION. THEY DO NOT COUNT AS PART OF THE FOUR PAGE SUBMISSION LIMIT.

The columns on the last page should be of equal length.

PLEASE SUBMIT YOUR FINAL DOCUMENT AS A PDF

LEGAL NOTICE

The Berkman Center, the Task Force and Task Force members, and the Technical Advisory Board, including its members and affiliates, are under no obligation to maintain the confidentiality of the submitted abstracts or other materials you provide. Please do not submit any information in your technical abstract that is confidential, proprietary or not for public dissemination. Please submit only information that you are willing to have made public. All submissions are subject to the Task Force Intellectual Property Policy: http://cyber.law.harvard.edu/research/isttf/ippolicy. By submitting your abstract or proposal, you certify that you have read and agree to the terms of that Policy.

IP certification – I hereby certify that the intellectual property disclosed in this document may be released to the public.

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