STD Evaluation Plan V10 Errata

Last Updated: September, 20 2006

1. The second paragraph of Section 4.3: Change minimum to maximum:

> NIST will also report the "Maximum Term-Weighted Value" (MTWV) based on the DET analysis. MTWV is the maximum term-weighted value found over the range of all possible values of θ.

2. Section C.1 was modified to be as follows:

> Documenting the system is a vital resource for interpreting system results. As such, each submitted system, (determined by unique experiment IDs), must be accompanied by a system description with the following items included:
>
> Section 1. Experiment ID(s)
>
> List all the experiment IDs for which this system produced submitted results
>
> Section 2. System Description
>
> A brief technical description of your system; if a contrastive test, contrast with primary system description.
>
> Section 3. Training:
>
> A list of resources used for training and development.
>
> Section 4. Computer Resources
>
> This section will describe the computing resources used to produce the system output. The description will include three parts: a listing of the computing hardware, the output of a computational speed measurement program supplied by NIST, and the high-water memory usages for both indexing and searching system operation phases.
>
> In the event that a wide variety of computational nodes are used, report the statistics below by summarizing them in a reasonable manner.
>
> Section 4.1 Computing Hardware Description
>
> The computing hardware description will include the following: Computer brand, CPU model and clock speed, RAM capacity, and Operating system.
>
> Section 4.2 CPU Calibration
>
> The computational speed analysis program is called nbench[1]. Place the output generated by nbench in section 4.2 of your system description by doing a cut/paste into the document.
>
> Section 4.3 High-water memory usage
>
> Using the procgraph.pl tool supplied in the STD Evaluation Tool Suite[2], report the maximum memory usage for both the indexing and searching system operation phases.
>
> The procgraph.pl program reports the virtual memory size of the given command and all its sub-processes. The command is run using the follow commands:
>
> - % mkdir /tmp/graph
> - % <STDEVAL>/tools/ProcGraph.pl –T –o /tmp/graph –c -- <COM>
>
> The integer number of bytes used can be found by executing the command 'more /tmp/graph/ProcGrap.CUMUL' which displays the cumulative resource graph for the main process <COM>. At the end of the report is a summary giving the 'maximum vsize'. Report the number of bytes used by the command by filling in the following template in the system description.
>
> Indexing maximum memory usage: <INTERGER>

---

[1] nbench is available from the URL http://www.tux.org/%7Emayer/linux/bmark.html

[2] See the STD website for latest code. http://www.nist.gov/speech/tests/std

Searching maximum memory usage: <INTEGER>

If several processes are iteratively executed, report the single maximum value for all steps. If the work is split over several computation nodes, report the single highest value.

Section 5. References:

List all pertinent references.