

Use case list from Janice Nelson
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I have regularly used the SLAC version of the JLAB ELOG for ~2.5 years now. When I went to make my list of how I use (and would like to use) an elog, I found that my list is very elog dependent. Basically I use all of the features available for our elog.

Worried that I was too biased, I made a list of **how I used the old paper log**:

- make entry with timestamp (no need for initials because everyone's handwriting was known)
- tape in printouts of graphics, tables of info, shift summaries, etc
- write on the printouts (e.g. an arrow with a note)
- reference previous entries by date/time or page number
- put in start-of-shift sticker and enter information (who was on shift, what the plan was, what's the current state of the machine, etc)
- draw in little words/pictures that conveyed an emotion or urgency associated with an entry (draw a box and some exclamation marks around an entry, sad faces, devil faces, frustrated faces, big eye for look at this, etc)

Making this list I realized I miss getting to write on printouts and drawing faces for my entries since the move to elog. Obviously I could grab the graphics I want to attach, put them in some other program, write on it, then send the enhanced graphics to the elog. What a pain though! Perhaps this isn't bad as it makes my entries more bland & professional.

Here's the list of **things I do/want to be able to do in an elog** (this is the list that seems elog-dependent)

- basic text entry, desirable: fewest mouse clicks and scrolling to get the info in
- text + printout, file or graphic
- display previous entries. I use the following display options: a list of just titles that link to full entry (best for skimming), the "scrollable" version that is all of the full entries, and the individual full entry. Here easy skimming and non-distracting formatting is a plus
- search: date/time, type of entry (by a program or a person), which logbook the entry is in. I don't search by text often, but if I still worked in main control I think I would.
- auto entries: main control has 3 programs now that do this. I wrote my own in matlab a couple years back that everyone in the group (myself included) loved.
- link a new entry to a previous one (like follow-up or re:)
- supercede - this is my favorite feature – it doesn't delete the original entry but lets you write a new entry that the displays will show instead of the first if that option is selected. A way to delete without deleting (a SLAC-only feature conceived by main control ops)

- event time vs log time - my 2nd favorite feature - enter the time the occurrence actually happened in addition to the time the entry was made. Then the displays can sort by event time or log time. (another SLAC-only feature from the operators)
- associate an entry with multiple logbooks - easy way to communicate info to other groups
- a web-interface is key. An op also wrote a tk interface that I use about 1/3 of the time. I actually like the compactness, ease of use, & display on the tk interface more.

wish list

- I'm tired of having to click the logbook choice box for the 95% of the time that it's the same one. Maybe a default logbook associated with a user? I have this for the Tk interface but not the web interface.
- I would LOVE to be able to send an email and have it automatically entered in the elog. Finding the webpage, having to log in and enter the info in the right boxes, and clicking the desired logbook seems like too much work sometimes (Yes, I'm pathetically lazy.)
- more default choices for the displays

Looking at this list now, I think I could do the 2nd and 3rd relatively easily (<1 wk of work) The first would require a bit more digging, i.e. it's not obvious to me how to start.