Notification Spec Feedback

Many of these are just editorial/typo errors. I'll try to bundle them together. The section/page/line numbers refer to the Word version of the document dated May 11, 2000.

1) Section 1.1 (line 245). Perhaps not in this paragraph, but somewhere the spec should elaborate on how the printer<->subscription and job<->subscription associations are apparent to a user.
2) Section 1.1 (line 253). Since this section discusses time leases, it should probably also mention something about the life span of per-job subscriptions.
3) Section 1.1 (line 274). Either add a sentence to section (i) stating that the Printer may deliver the Notification directly or use a Notification Delivery Service or add section (iii) identifying this mode of operation.
4) Section 1.1 (line 279). I don't understand how the "notify-sequence-id" helps detect duplicate subscriptions. Doesn't each subscription have its own "notify-sequence-id". Including the "subscription-id" in the Notification would seem a much more reliable way to accomplish this.
5) Section 5.2 (line 773-794). The current model of bundling all printer-state-change events and hard coding 'printer-restarted' and 'printer-shutdown' as the only exceptions seems shortsighted. A printer is bound to ship some time where a different state change merits being pulled out from the "printer-state-change" bundling. This cannot be done without breaking interoperability. A solution might be to name exceptions as "printer-state-xxx" (e.g., "printer-state-shutdown" and "printer-state-restarted"). "printer-state-change" is then defined as all events resulting from changes in printer state for which a "printer-state-xxx" event is not defined/supported by that printer.
6) Section 5.10 (line 952-963). As the algorithm for assigning persistent subscription ids cannot be mandated of printers, the current recommendation does very little to insure interoperability. A better recommendation might be to have clients always get a list of subscription ids following a printer power cycles.
7) Section 5.15 (line 1029-1031). Clients should be able to request non persistence.
8) Section 6.4 (line 1074-1079). This paragraph needs to explain how the printer indicates that it doesn't impose a limit to how many events a subscription might include.
9) Section 6.7 (line 93). If '0' means "infinite lease", what does the range 0:1 mean? Should it be 1:0?
10) Section 6.12 (line 1124). "persistent-jobs-supported" is a printer feature independent of event notification. It belongs in the MOD document instead of this spec.
11) Section 7.11 (line 209). The "subscription-id" should be a required attribute in all Event Notifications.
12) Section 7.1.3 (line 1230). I'm not sure there's enough reason to mandate "printer-is-accepting-jobs" in every Event Notification.
13) Section 9.1.1 (line 1393-397). This makes it very clumsy for the client to determine if the entire subscription was rejected or only most of the requested attributes. Why can't the printer use the mechanism described in the following paragraph (line 1398-1404)?
14) Section 9.2.1 (line 1473). The lease expiration time "may be earlier or later than the client requested", but not infinite unless the client so requests, right? The spec should say so.
15) Editorial/Typos:
    - Line 269 : "When an event occurs, the Printer searches the all of its …"
    - Line 284: Replace "At most one subscription may be submitted with a job" with "At most one subscription may be created as a result of a bob creation operation."
    - Line 286: Replace "The IPP Printer object delivers and Event Notification to the …" with "The IPP Printer object delivers Event Notifications to the …".
    - Line 401: the IPP Subscription indicated that the IPP Printer is to delivery Event …" Remove "y".
    - Line 647: A brief intro of the information contained in Table 5 before the column contents are explained would held readability.
    - Line 647: "Table 5 contains the same columns as table two …" It should be table four.

- Line 650: The table header "Table 5 – Subscription object attributes supplied the Printer" needs a "by" after "supplied".
- Line 726: "The standard event keyword value for the 'notify-events-default' and 'notify-events-default' attributes only" should be turned into a full sentence. Should the second "notify-events-default" be "notify-events-supported"?
- Line 767: 'job-purged' should be on its own line.
- Line 817: Should it be 'printer-no-longer-full' or 'printer-no-longer-busy'?
- Line 942: Paragraph accidentally ended up as a section header.
- Line 1033: Too many tables. Wrong table numbers.
- Lines 1175-1180. This list should be combined with the list provided in section 5.1 (lines 668-680) and included in one place only.
- Line 1199: "This section lists the attributes that a Print MUST and …". Should say "Printer".
- Line 1256. Should "An Event Notification SHOULD contain the following information:" be changed to "A human consumable Event Notification SHOUJLD contain the following information:"?
- Line 1308. I'd recommend removing the ending word "only" from all these section headers.
- Line 1321. Replace "If a client wants to create more than one Per-Job subscription (e.g. 3 of them) …" with "If a client wants to associate more than one Per-Job subscription with a single Print Job …"
- Line 1382. "or does not support is for the specified …" should be "it".