Subject: Comments on 02-163
From: Van Snyder

1 Introduction

This paper collects some thoughts on issues raised by 02-163, and things discovered as a result of studying text near or at where the Editor's remarks touched.

2 Edits arising directly from 02-163 – Section 3.3

Edits refer to 02-007r1. Page and line numbers are displayed in the margin. Absent other instructions, a page and line number or line number range implies all of the indicated text is to be replaced by associated text, while a page and line number followed by + (-) indicates that associated text is to be inserted after (before) the indicated line. Remarks are noted in the margin, or appear between [and] in the text.

In 02-163, the Editor remarks that 02-111r2 corrected some inconsistencies between the character and noncharacter cases, and introduced some others. There are, of course, some essential differences, but getting rid of the inconsequential ones is a Good Thing in general – otherwise casual readers may wonder whether the differences in exposition indicate differences in substance. Here are a few attempts at making the expositions in 3.3.1 and 3.3.2 more parallel.

[Editor: Delete "source" (it doesn't appear at [29:19]).] 28:5

[Editor: Delete "called" (it doesn't appear at [29:20]).] 28:6

[Editor: "An" ⇒ "There shall be a later line that is a not comment; an". "line ... comment" ⇒ "such"; "following the" ⇒ "following that" (all for consistency with [28:16-17]).] 28:23-29:1

[Editor: Delete "source" (because it only infrequently appears before "line").] 29:3

[Note to J3, not an edit: It's tempting to insert "or no characters" after "blanks," for consistency with [28:6], but free source form lines contain "at most 132 characters" while fixed source form lines contain "exactly 72 characters." So a line in fixed source form cannot consist of "no characters."] 29:21

[Editor: "comments" ⇒ "comment lines" (for consistency with [28:6-7]).] 29:21

[Editor: "within" ⇒ "in" for consistency with [28:7].] 29:21

[Editor: Delete "source" (because it only infrequently appears before "line").] 30:8

3 Edits – "Data Type" ought to be just "Type"

In 02-163, the Editor observes that the edit proposed for [117:7] in 02-129r2 takes out any reference to "primary," which is the point of the paragraph, so the edit wasn't done. One of the parts of the edit, which looked important no matter whether the point of the discussion is "primary" or the properties of an associated pointer when used in an expression, was to get "dynamic" before "type". But that's handled by [127:11-14]. As a consequence of studying this edit, however, numerous places where "type" is qualified with "data" were found. The "data" qualification of "type" is, however, not universally applied. This leads to the rhetorical question: What "type" other than "data type" do we have? The answer is "none." In addition to deleting "data" before type in the text, the edits below also delete it from before type in the index except in one place, where it presently says "data type: *see* type."

Delete "data" from before "type" or "types" in text at the following places. If it appears more than once, delete them all. Adjust capitalization if necessary. Changes to lurking TEXisms such as index entries are indicated separately.

15:29	15:30	15:31	15:37	16:21	19:29	20:19	20:20
33:1	33:3	33:11	33:12	33:13+2	33:13+4	33:15	33:20
34:2	34:11	35:9	35:16	35:24	35:25	35:26	40:16
63:9	75:26	104:2	104:4	106:5	125:6	125:7(2)	125:9
125:25	125:26	126:13	133:5	134:0+2	134:0+3	136:1	136:24
138:4	162:39	162:40	230:15	243:30+2	289:20	310:10+4	343:3
343:5	343:7	343:30	343:37	344:4	356:16	369:19	397:34
397:36	417:28	417:35	417:39	417:40	421:8	421:9	425:37
431:5	431:6	431:8	432:13	461:37	462:12	462:16	

Delete "data" from before "type" or "types" in `\mindex` entries at the following places.

33:11 33:4 42:23 43:7 67:18 125:6

Delete "data" from before "type" or "types" in `\ref` entries at the following places. Adjust capitalization if necessary (i.e., if the next word becomes the first one in the `\ref` after the "D#:").

2:24	15:33	15:41	16:16	33:20	17:11	119:10	123:4
123:6	309:13	309:15	325:11	325:13	355:20+7	398:12[-1]	417:32
417:39	418:38	422:22					

[Editor: Delete "data" from the first `\mindex` entry. The second one says "data type: see type".] 33:1

[Editor: "`\mindex{data type of an expression}`" ⇒ "`\mindex{type!expression}`".] 125:6

[Editor: "`\mindex{data type of a primary}`" ⇒ "`\mindex{type!primary}`".] 125:25

[Editor: "`\mindex{data type of an operation}`" ⇒ "`\mindex{type!operation}`".] 126:13

[Editor: Delete "data" before "type" (also in the `\ref`) and move to [425:33] to replace the entry there. Then replace this by:] 417:32-34

data type (2.4.1) [`\ref{D2:Type}`] : See type.

[The index has always said "data type: *see* type," not vice-versa.]

[Editor: Delete "data" from the `\label` entry.] 431:5

4 Edits – Misc.

I noticed these as I was reading along where `grep` said I would find "data type." May as well do them here as anywhere else.

[Editor: Insert "operation" after "division"'.] 136:1

[Editor: Three em-dashes (`--`) ought to be minus signs (`$-$`).] 344:3-5