

State Diagram for Module persistentSelection

Notation

- **\$w** is a text or entryPlus window on which <<Selection>> events are bound to the handler *::persistentSelection::report*.
- The diagram shows the different states of the system, with respect to ownership of the PRIMARY selection, and the contents of the **sel** tag of **\$w**.
- Other elements of the system state, and <<Selection>> events on windows other than **\$w**, are not represented here.

KEY to states

- a. States in which **\$w** owns the PRIMARY selection are in the top row.
- b. States in which **PS** (the "persistent store") owns the PRIMARY selection are in the bottom row.
- c. States in which **other** (another window in this process, or another process) owns the PRIMARY selection are in the middle row.
- d. States in which the **sel** tag of **\$w** is non-empty are shaded.
- e. The states labeled "**PS** owns ..." could be merged with the corresponding states "**other** owns ...", but when debugging *persistentSelection* it is convenient to consider these states separately.

KEY to event numbers and edges

- 1. sel in \$w changes from non-empty string to a different non-empty string
 - 2. sel in \$w changes from non-empty string to empty string
 - 3. sel in \$w changes from empty string to non-empty string
 - 4. "other" widget claims the PRIMARY selection
- Solid edges represent <<Selection>> events on window **\$w**. No such events occur for dashed edges.

Row indicates the owner of the PRIMARY selection

\$w, a widget that uses module persistentSelection:

"other" - neither \$w nor PS:

PS, the "persistent selection" store:

