3.3 Release Notes: TabletDriver

This file contains information about the API for Tablet Support, which was introduced in Release 3.0. There is no additional information specific to Release 3.1, 3.2, or 3.3.

Note: The tablet support this release note describes is provided only for NeXT computers, not for Intel-based computers.

New API For Tablet Support

New Features

The following extensions have been added to the NEXTSTEP input model to handle tablets and pressure-sensitivity:

- pressure data is available in mouse events.
- added support for suppressing event coalescing.

Pressure Events

Pressure data is represented in the **NXEventData.mouse** structure (in **dpsclient/event.h** by an eight-bit unsigned values ranging from 0-255.

```
struct {                               /* For mouse events */
    short           reserved;
    short           eventNum;      /* unique identifier for this button */
    int             click;         /* click state of this event */
    unsigned char   pressure;      /* pressure value: 0=none, 255=full */
    char            reserved1;
    short           reserved2;
} mouse;
```

The above structure is passed along with mouse-moved and mouse-dragged events in the *event.data* field.

We have also added stylus proximity events as flags changed events (see **dpsclient/event.h** for details.

See the WindowServer release notes for an explanation of hoe to control pressure and event coalescing within an area of a window.