

From: Heikki Kanerva

Sent: Thursday, March 16, 2000 6:52 PM

To: Bill Gates; Steve Ballmer; Bob Muglia; Bob Muglia's Direct Reports (Exchange DL); Jim Allchin; Brian Valentine; David Cole; Rick Belluzzo; Paul Maritz; David Vaskevitch

Cc: Office 10 Leads; Steven Sinofsky; Antoine Leblond; Andrew Kwatinetz; Grant George; Jeanne Sheldon; Kurt DelBene; Ralf Harteneck; Richard McAniff; Akio Fujii; Jeff Olund; Joseph Krawczak; Kathleen Hebert (SCHOENFELDER); Andy Schuler; David Thacher; Todd Warren; Eric Rudder; Gordon Mangione; Eric Lockard; Tom Button; Paul Flessner; Brian MacDonald

Subject: Office 10 PDL -- 3/15/00

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This PDL is available on the secured server <http://office10/teams/general/checkpoint/Office10 PDL 03-15-00.htm>.

Office10 PDL (3/15/00)

Contacts

Project Contact: EricLev

Program Management: HeikkiK

Development: Antoine

Testing: GrantG

Project Status

This is the third PDL for Office10, the Next Release of Office. The status highlights are below:

- On 3/6/00 Office 10 reached the end of MM2 coding and the final integration period began. The focus is now on getting the features and code checked in, integrating and reaching **code complete on 4/14**.
- We are very focused and on target to meet our current (same as our original) **RTM date of 3/2/01**. To that end we have staggered the freeze dates for different components (see Schedule below)
- We held a very successful vision area review and presentations/demos to upper management on Office 10 major scenarios. All the demos were done by using a current version of Office 10 code from the daily builds
- Based on the marketing feedback we made adjustments to the size and dates of the betas for Office 10.
- We finished the Office Advisory Council site visits (US and International) and held the third Office Advisory Council meeting in Redmond.
- Office 2000 SR-1 was released and testing is now fully focused on Office 10.

Schedule

From the beginning of Office 10 project we have been very focused on shipping on time. Because of the large number of teams, both Office-internal and external, **we have staggered the freeze dates for the different components**. This will reduce the number of components that change within the project during the last part of the debugging period as we approach the RTM date. At the same time the staged freeze enables teams to better focus on triaging and fixing critical cross group bugs and scenarios.

The staggering of freeze dates is **not** a change in Office ship schedule (i.e. not an earlier RTM date) – it is an added measure of security for meeting our current 3/2/01 RTM target.

The following teams will reach a release candidate freeze on **12/15/00**.

- Excel
- Word
- Web Components
- Fundamentals
- EUP
- Web Documents
- Complex Scripts (will match the corresponding application team)
- RAD (except any late-breaking installation authoring work)

Plaintiff's Exhibit

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- JPN IME

The rest of the teams will reach a release candidate lock-down mode on **2/15/01**.

For the complete schedule:

- See <http://office10/bin/shipsched.htm> for the latest version of the schedule.
- Information in **gray** represents completed milestones.

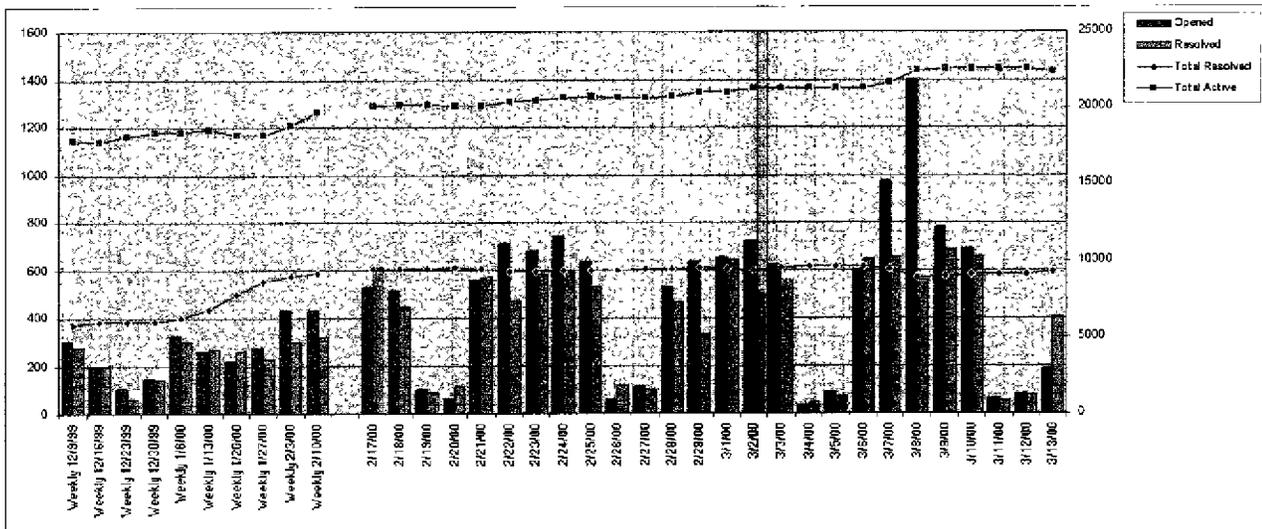
Milestone	Start	Weeks
MM1 coding	7/19/1999	12
MM1 final debug	10/11/1999	6
Finalize MM2 plan	11/22/1999	1
MM2 coding #1	11/29/1999	3
Holidays	12/20/1999	2
MM2 coding #2	1/3/2000	9
MM2 final debug	3/6/2000	6
Code complete	4/14/2000	
Beta debug	4/17/2000	10
Preview beta	6/23/2000	
ZBR debug	6/23/2000	5
ZBR	7/28/2000	
Beta debug	7/31/2000	7
Broad beta	9/15/2000	
Final debug	9/18/2000	22
RTM US/WWEXE	3/2/2001	

In addition to the betas listed above, Office 10 will have a very small and focused (250 sites) "Beta 0" in May. The sizes for the June and September betas are 5,000 and 10,000 – 15,000 respectively

Additional Status

Bug Data

- See <http://office10/webraid/> <.\.\.\webraid/> for the latest bug status.
- During the SR1 test phase in February we saw a few weeks in which there was a 25% to 50% reduction in the Office 10 bug find rate as test teams spent time on the Office 2000 service release. Weekly bug discovery rates for Office 10 have returned to normal in March.
- As we enter M2 debug (3/6/00) build throughput has been slowed with the massive number of feature completion check-ins, impacting test team throughput. This should improve in 2 weeks as we catch up.



All Teams - MM1 bugs, Query Executed Query Executed 3/13/00 12.49 PM

Other Resources

- See <http://office10/> for the latest spec and general Office information.
- See <http://office10/webraid/specstatus.htm> for spec inspections status.
- See <http://office10/status/> for the latest project status.
- See <http://office10/teams/general/office10.htm> for the Office10 vision and <http://office10/teams/general/vision 2- Pager.htm> for the handy version to put on your wall

Status Per Vision Area

Here is a pointer to the slide decks for the vision area review offsite <http://office10/overview/vac/default.htm>.

Status Per Team

The team-by-team status, issues and major dependencies listed below.

Word (ChrisPr)

Current Feature Status

- All but 4 developers checked in
- All code to be checked in by 3/17 (except setup externals)

Major Issues, Concerns and Open Items

- Still closing down final design issues with interlineations/collaboration work
- Setup – integration of external component merge modules slowed by first-time process

Risks & External Dependencies

- Speech group deliverables continue to slip and lose features – working closely with them to manage this

Major Changes Since Last PDL

- Cut import of OWS discussions (not able to get export done)
- Cut saving long docs to mini-webs (couldn't fit/too risky for final milestone)

Excel (JayMa)

Current Feature Status

- We reached feature complete on 3/6.

- Features spilling slightly past MM2: smartparts publish, VBA-less Office, link management startup sequence, some speech work, and some worksheet protection work.
- Finishing the update to the Slicer is still several weeks out, which is on track according to the agreement we've reached with Excel dev and test and the Plato group.
- None of these unfinished items should impact the schedule.

Major Issues, Concerns and Open Items

- None

Risks & External Dependencies

- For Slicer, we're depending upon Plato group to do the work on their side to enable the changes that we're making on our side.

Major Changes Since Last PDL

- VBA-less Office was a big add for us.
- We also added Insert Symbol.

Office Web Components (JayMa)

Current Feature Status

- Components are feature complete by 3/17/00
- Features spilling slightly past MM2:
 - Spreadsheet: names, automation add-ins, some object model work
 - Pivot: Conditional Filtering (top/bottom n filtering), Ad-hoc Grouping, Insert new detail rows
 - Core: property pages, some setup work, Office annuity support.
- None of these unfinished items should impact the schedule.

Major Issues, Concerns and Open Items

- Worried about Office Data Finding integration. This relies on work in the containers and it's only been tried once so far. Not sure if this is still really on target.

Risks & External Dependencies

- Since we're not relying on new external components, we're OK here. DCube 7.0 currently has a bug where it hangs when connecting to an 8.0 server. Plato promises to fix this by returning an error and requiring DCube 8.0 to connect to Plato 8.0 server. Since we're shipping DCube 8.0 (though we don't explicitly rely on it), this should be OK.
- GDI+/GEL to the list of external dependencies

Major Changes Since Last PDL

Adds

- FormatMaps in Chart OM plus end user UI
- Ad-hoc grouping as a feature requirement from MS Sales.
- Multi-select filter fields per MS Sales requirement.
- Range.change
- Datasheet support
- Array formulas

Cuts

- Paginated printing support
- Design-time control support
- External target support in spreadsheet formulas

PowerPoint & Office Art (and OfficeActivation & CAG) (RicB)

PowerPoint (RicB)

Current Team Status

- Finishing up final M2 dev tasks. Most devs expect to complete by 3/20.

- Test has started verifying dev work-items in schedule database, will continue Checkpoint meetings, regression testing of legacy and MM1 features, and start test pass of MM2 features.
- PM is finishing inspections of specifications.

Current Feature Status

M2 tasks that are completed:

- PPT Document Comparison & Reconciliation UI
- Digital Signatures
- International: Fix Composite Font Feature; Word's Insert Symbol dialog; Japanese Typo Detection; Use Unicode Subranges in Fonts; Many other small improvements
- Thumbnails in TriPane View
- Disable Features Not Supported in 97/2000
- Improve Sound & Animation Synchronization
- Preview Animation in Slide View
- New VBA Events
- SDI-like window controls
- Broadcast: Improvements for better Archive; Improve real time broadcast stability;
- Formatting WorkPane: Apply Design Template
- Formatting WorkPane: change Color Scheme
- Document compare architecture
- Embedded Font subsetting
- Record Broadcast ease-of-use improvements Multiple masters
- New Look
- Auto Fit
- Complex Scripts (from the CS team)
 - SouthAsia code enabled and merged into core tree
 - Bidi Cursor Shape - cursor has tail when in Right-to-left keyboard
 - Animation has been profiled and optimized
 - Hindi enabling
 - Bidi text selection and navigation

M2 tasks that are in progress:

- New animation foundation
- New Animation UI
- Document compare UI
- Broadcast web pages
- Animation Object Model
- Broadcast Object Model
- Password Protection
- Easy Animation work pane
- Multi-Monitor Support

M2 Exit Documents

- PowerPoint M2 Test Plan
- PowerPoint M2 Exit Status (under construction)
- PowerPoint M2 Exit Criteria

Major Issues, Concerns and Open Items

- M2 task finish-up Many tasks still in-progress.
- Broadcast setup of Windows Media Components (encoder) is still in conflict with "no System Resources" rules. Working with that team to resolve.
- Collaboration "ad-hoc" scenario support architecture is unfinished. This was a late but essential add.
- Collaboration animation comparison is outstanding, waiting for animation area to complete.

Risks & External Dependencies

- Collaboration – coordinating designs with Word
- Collaboration – file size and performance – some planned optimization work is outstanding
- Animation work code complete has slipped by a number of weeks. Exact date to be determined.

Major Changes Since Last PDL

- Cut work on "send to 9"
- Cut Broadcast Editing
- Cut Collaboration integration with Platinum Local Store – This would have provided some form of multi-user editing
- Cut Cicero work (new input layer)
- Cut Slide Background editing pane – slide formatting scenario
- Cut V4 HTML support in Netscape Navigator (did not get Navigator features fixed soon enough)

Office Art (PeteWu)

VGX (Note: the VGX component is delivered to IE/Windows so it is on a different schedule than Office)

- Locked down for beta 3 of IE 5.5. Dev at 0 bugs. 3 setup bugs will be addressed after beta 3. On track to RTM w/ IE 5.5 (4/26/00) and Millennium.
- Next project is 64-bit release for Whistler (2/01). The 64-bit VGX build launches successfully now.

Current Feature Status

- Finishing up final M2 dev tasks. All devs expect to complete by 3/20 except 2 devs completing on 3/24 and 1 dev completing on 3/31.
- M2 tasks that are completed:
 - **GDI+ integration:** compound lines, 3-D, CMYK JPEG/TIFF, native TIFF handling, picture recoloring, path and transform clean up, perspective, bicubic resampling, rotate/flip metafiles, transparent printing, animated GIF (except timing), caching unrotated textures, rotate texture fill, reject insertion of pure EMF+, and many bug fixes
 - **Drawing Canvas:** auto-create when choosing drawing tool, auto-create when pasting drawing objects, insert/paste objects into canvas, text scaling, visible grid, baseline alignment, dragging constraints, replace Word Picture Editor, rotation of inline pictures, and marquee selection
 - **Org Chart and Diagramming:** cycle, pyramid, radial, venn, and target diagrams, auto-fit, prompt text, selection commands, horizontal/vertical layout, layout optimization, create from text selection, drag/drop, copy/paste, undo/redo, OM, binary/HTML I/O, text property pushing, styles, context menus, insert dialog, convert diagram to other type, reverse, keyboard accessibility, first batch of icons, and usability test
 - **Imaging:** VML stripping in email scenarios, copy/paste and drag/drop picture files from shell, OLE data stripping on copy/paste and drag/drop, downlevel image rotation, optimize single image on insert, insert from scanner/camera via TWAIN/WIA, and STI push
 - **Publisher:** support for integration into Publisher, extended color model, SetFilterPrefs for EPS filter, and EPS recoloring
 - **FrontPage:** support for integration into FrontPage, post CF_HTML for shape selection in Word
- M2 tasks that are in progress:
 - **GDI+ integration:** render to WMF, arrowhead sizing, gradient finish up, animated GIF timing, partial metafile playback, image caching, inset pen widened path, downlevel support for complex fills in metafiles, rotate fill with shape, text layout in WordArt, and performance
 - **Drawing Canvas:** group drill-down and canvas object model
 - **Org Chart and Diagramming:** tweak UI for better usability, animation settings, command disabling, multi-select drag snapping, cross-app copy/paste, and custom AutoShape for cycle diagram
 - **Imaging:** auto-color-depth-reduction, true cropping, resample, JPEG compress, optimize whole document, JPEG pass-through via WIA
 - **Publisher:** trapping, nested clipping, VML I/O for extended colors
- Draw OLE object converter and Org Chart OLE object converter are being done by an independent contractor.
 - Draw OLE object converter: Office 2000 version is done. Port to Office 10 will be done after mso has stabilized (4/15/00).
 - Org Chart OLE object converter: will be code complete by 3/31/00. Depends on native Org Chart object model.
- M2 exit criteria.

Major Issues, Concerns and Open Items

- M2 task finish-up. Many tasks still in-progress.
- High bug count. Rendering is the area with the highest per-developer count.
- Performance. Major bottlenecks in GDI+ need to be fixed before we can do deeper analysis. Performance milestone for GDI+ will start on 3/31.

Risks & External Dependencies

- IE/Windows. VGX must stay on IE/Windows schedule, so we are affected by major changes in their schedule (like Whistler). We rely on the IE team for Trident bug fixes and parts of the build and setup processes.
- GDI+. Major runtime dependency on GDI+ for all graphics rendering, printing, and metafileing. The GDI+ team is very responsive in fixing blocking bugs, but blocking bugs are happening too often. More extensive testing requirements before check-in are helping reduce this. Delivery of features have slipped a few weeks.

Major Changes Since Last PDL

- Optimize Image feature has been scaled back. No on-object-UI.
- Org Chart and Diagramming will be supported in Excel (in addition to PowerPoint and Word).
- 4 border rectangles done by Publisher team in core mso, abandoned the GroupTangle approach.
- Select Multiple Objects dialog for accessibility has been ported to mso (previously a VB add-in)

OfficeActivation (AlwinV)

Current Feature Status

- 4 devs will be checked in by 3/31, the other 2 will be in by 4/14

Major Issues, Concerns and Open Items

- Still closing down issues with shared animation data structures
- Persistence design is not final yet

Risks & External Dependencies

- There's bound to be some corner-case PPT Show legacy functionality which we didn't anticipate

Major Changes Since Last PDL

- None

Outlook (RobP)

Current Feature Status

- Majority of M2 features checked in. M2 specs very complete with small issues remaining.
- Nearly all developers should be checked in by week of 4/17. A small number of "outliers" may be later. Development of "template" HTML will continue through end of April.
- Working through blocking bugs to allow use of Local Store and DAV in initial round of dogfood usage, estimated ready first week of April.

Major Issues, Concerns and Open Items

- Overall Outlook dev bug count > 1800 bugs, PM non-dependent bug count is ~224.
- Integration of external dependencies and Outlook code started recently and is likely to have a long "tail" before end-to-end scenarios work
- Key areas where dev complete is projected to be especially late:
- Setup of and migration to local store: work projected to at least 5/1 and some work items still not on schedule due to tragic loss of a developer; discussing with RAD development team to see if we can arrange extra help
- DAV synchronization and LIS integration: two developer projected complete week of 5/1

Risks & External Dependencies

- Local Store team dependencies not yet complete; delays in delivery could block Outlook block test and development.
- LIS team is working in appropriate priority order but does not yet have a scheduled date for completion of dev work.
- Performance work is not yet started and will be critical.
- Migration of PST and OST data to LIS has dependencies on remaining LIS work and quality of this user experience is important.
- WebForms object from Exchange and local script engine from Exchange solutions team will not be ship-quality for Platinum. Developers are working on other critical-path portions of Platinum (OWA client). Initial delivery just arrived, integration is time-consuming but moving forward well. Unicode not yet implemented.
- Lockdown required to ship Platinum is likely to require forking of Exchange code trees and special deliverables for Office beta, possible a "beta" version of Platinum SP-1.
- Dependency on private rich-edit control.

Major Changes Since Last PDL

- Few significant changes to release content or feature set. Some notables from many months ago:
 - Removed fax solutions from box content
 - Default address book protocol for Platinum server users will be MAPI RPC, not LDAP, due to Win2K Active Directory issues (e.g. inability to sort for different languages); LDAP features still enhanced for hosted scenarios
- Solidified details of application platform. Work to provide implementation of CDO binding to Renitem and use of local engine to execute ASP are well underway.

Access (JonSig)

MM1 Completed Features

- Reference Fix-up
- Database conversion error logging
- Form/Report enhancements: multiple undo/redo, size to fit listboxes, move with grid, object list in prop sheet, don't require printer to preview, new events and properties, subform in design scrolling and editing in new window
- Customer Fundamental Requests: better DBC Tooltips, Browse... in query dialogs, Find/Replace enhancements
- Global IME and IME enhancements
- RichEdit hosted in core dialogs
- Move Workgroup Administrator into core
- Performance: improvements in large project load
- ORAPI-fication completed
- Worldwide Save As RTF/Text
- Initial work on Pivot and Chart Analysis views
- Full Jet filtering syntax support for Client/server
- Static chapter support (stable cursors)
- Better update semantics (everything but pass-through defaults)
- Form control recordset binding
- Full extended property support in core
- Custom error string support for constraint failures in core
- Da Vinci integration minus graphical editor, auto-pk, auto-index and functions support
- Single tab DBC for Views/Sprocs/Functions
- Offline DAPs (SQL Merge and XML)
- DAP improvements: Recordset persistence, Conversion of v9 DAPs, Updatability in Bands, DSC: BeforeBind event
- DAP Design: Undo/redo, Live sizing with multi-select, keyboard moving/sizing enhancements also with multi-select, unit preservation
- Complex Scripts: Complete text based editing and rendering, Caret shape when R2L Keyboard is on, Thai and South Asian text to display and render correctly, Hindi to display and render, FE when mixed with BiDi to work correctly, eliminate the need for EditLang and expose CS elements all the time, all South Asian support is in and working, no dependency on ExeMode

MM2 Completed Features

- Improved import/export of SQL tables
- DaVinci designers for Stored Procs and Functions
- Right click menus
- Multiselect (move, copy, paste, delete, resize, align, spacing)
- New relationship wizard
- Contact sensitive properties in the property sheet
- Easier to connect to data and deploy pages
- Improved visuals (expando, navigation control, banners, default section styles, intelligent naming)
- Usability features (Table Wizard, Grouplevel dropdown, group filter controls)
- Multiselect in the field list
- Data outline control
- Better support for hyperlinks
- Record selector

- Batch transactions
- Autosum makes it easier to create aggregates
- Reports → XML, XSL, XML/XSL
- Round tripping
- Access runtime co-existence improvements
- Scheduled bug fix time
- Completed integration of PivotTables and PivotCharts (available in tables, queries, forms)
- Office 'New Look' enhancements
- Improvements to ActiveX support on forms and reports
- Object model enhancements (printer object, additem/remove item, other misc additions)
- Completed setup work
- Robustness (crash recovery, automatic repair of database corruption, etc.)
- Support for multiple file formats (v9 and v10) allowing round-tripping with previous versions of Access
- Accessibility improvements
- Speech
- Table drawing on forms and reports
- Here is a [complete list of Access spec titles](#) sorted by vision area, milestone and author.

Risks & Dependencies

- XSLT work will continue past M2
- MSDE integration into Office setup is coming in late
- ADD: Dependent on XML parser (msxml dll) for some features
- VBE performance work will come in after code complete
- Runtime setup work will be done after M2

Programmability (LaurenA)

Current Feature Status

- Most Designer features code complete by 3/24, with the following exceptions:
 - Actions and validations may run as long as 3/31
 - Some template work may run as long as 4/28 (project template integration, international work, clean-up, etc)
- Most Designer core scenarios should be fully testable this week
- Traditional programmability work is complete, except:
 - Encryption to block access to VBProject OM
 - We expect a new drop of VBE/VBA by 4/14

Major Issues, Concerns and Open Items

- We are looking at ways to ensure that we get enough feedback from early betas (as a new product/tool we have fewer potential users and many people won't know how to get started)
- We need to explore whether or not we can/will support offline functionality in browsers (to date we have said "no", but Exchange is planning on enabling this)
- Still a lot of open marketing/positioning issues; we hope to use the beta as a forcing function to work through some of these

Risks & External Dependencies

- With this week's builds, we are just getting to the point that we can test end-to-end scenarios. Testing may uncover unplanned work items.
- LIS integration is still very buggy and is just starting to get significant test coverage
- WebForms will not ship as part of the typical install for Platinum RTM because it came in too late to get sufficient test coverage and has several significant known limitations, including lack of international support. We are working w/ Exchange to unblock international testing asap and ensure that SP1 includes fully functional WebForms as part of the typical install.
- VS merge modules needed for setup are still not fully functional
- MOD is doing setup work to allow VS7 users to work with Designer projects. They are considering pushing this work out beyond our code complete.
- VS schedule is now very close to ours. We have worked out a contingency w/ VS in the event that we need to ship before VS7 signs off on final bits.

- Departmental deployment requires Tahoe: we still need to sync up w/ Tahoe to ensure that this scenario works smoothly

Major Changes Since Last PDL

- Designer applications will require Platinum SP1 to be fully functional
- Cut client side debugging feature (wasn't compelling w/out server side debugging and required more work than anticipated)

Web Documents (Marco)

Current Feature Status

- Most features are code complete, with the following exceptions:
 - Office Search (expected to be 1.5 weeks late)
 - FrontPage List and NavBar component authoring in Word
- Developers working towards being checked in by 3/17, except for:
 - Office Search by 3/24
 - FrontPage component integration sorted out by 3/22
- Testing finalizing TDS' in anticipation of remaining M2 code becoming available and increasing find rate to keep development's plate full.

Major Issues, Concerns and Open Items

- Search is the long pole right now, but open issues are largely closed and we just need to finish.
- Integration of documents with the Local Store for offline scenarios remains largely untested and will likely produce additional work items once we can define and verify scenarios.

Risks & External Dependencies

- Code merge with Tahoe's Web Folders into the Office code base is still not completed, being worked on by OWS and Tahoe teams.
- Rosebud still owes us 2 feature drops with WEC performance, LIS integration and WecErr.txt error reporting enhancements. Expected on 3/27.
- Office Search working against Office Web Server has a plan, but requires work from Rosebud (multiq.dll) as well as work on the Web Documents team. Without this work being completed successfully, it will not be possible to search against an Office Web Server from the Office search pane.
- Restricted Natural Language queries and Multiq.dll dependencies have a clear plan for MM2 integration exit criteria and triage for the post-code complete stage.

Major Changes Since Last PDL

- None

End User Productivity (JulieLar)

Current Feature Status

- MM2 features are in and mostly working (see <http://office10/teams/ui/mm2exit.htm> for a list of features in MM2)
- All current specs closed by 3/10/00
- All MM2 code checked in by 3/10/00
- Code complete on Office 2000 Passport Pack (OPP) for MSN Communities and early feedback on Passport\WebDrive in Office 10. On track for 4/13 web release.

Major Issues, Concerns and Open Items

- Many consistency issues to work through across Office (workpanes, ooui)
- Late adds being considered (active directory support, command and control in dialogs)
- "New features in 2000" tour still undergoing design
- Working on plan for integrating Office Update's eServices
- Marketing and OSE push to get FPOSE hosting services into the box alongside MSN Communities. Don't have agreed-on plan.

- Dependent on designer for platinum part of add network place wizard

Risks & External Dependencies

- MSN/Passport - We will be updating our code to synch with Passport 2.0 when it goes live at the end of the summer
- Waiting on a new msn community wizard

Major Changes Since Last PDL

- Cut active directory support from add network place wizard

Fundamentals (EricLev)

Current Feature Status

- The OfficeWatson failure tracking effort is converging incredibly well, and we now have live tracking pages on OfficeUpdate. The rest of the robustness features (crash recovery, post-crash recovery workpane, safe mode) have also come together well.
- Modulo a handful of 'somewhat bigger than a bug fix' issues, all devs are checked.
- The team is locked and loaded to freeze before 12/15/00!

Major Issues, Concerns and Open Items

- The largest major issue is the current state of Performance within Office. This is an effort that crosses the whole box, and there is still quite a bit of work ahead to reach our goals of absolutely zero performance degradation since Office2000 (and big wins in targeted areas).
- The plans for 'VBA-less' Office have taken shape well, although this continues to be a risky area for testing.

Risks & External Dependencies

- The only external dependency for Fundamentals is the NT base debugging team. They provide us with a small static library for reading/writing minidumps (compact crash dumps). We had a few issues WRT documentation and distribution of the library, but as it stands these are resolved.

Major Changes Since Last PDL

- Our OfficeWatson crash-tracking client and Server will be used by the Mars team. Also, the IE and Visual Studio teams have played with integration, although at this time their plans to ship the technology are less firm.

Release and Deployment (GregHar)

Current Feature Status

- PM and Dev bug counts reasonable and under control
- All code checked in April 28th (Intl. Office System Pack) Mar 21st for everything except OSP

Major Issues, Concerns and Open Items

- Decisions regarding Web Folders/Rosebud, FrontPage server extensions and Windows system file protection
- Taxation, billing, and customer data handling for annuity. (No test lead for a while, and PM resources changing)

Risks & External Dependencies

- Coding to support taxation, billing, and customer data handling for annuity.

Web Server (RussellW)

Current Feature Status

- Collaboration website coming together nicely
- All checkins complete by 3/20/00
- Plan to dogfood with selected internal teams by code complete (4/14/00).

Major Issues, Concerns and Open Items

- ISP partner preview critical, OWS needs sufficient number of Office10 beta customers to provide good test and there's a risk of partner feedback coming in too late to react to. We may need to make a few adjustments post-beta1 for administration and provisioning tools.
- Extra integration time will be required for list customization in FP client editor
- Scalability and performance work needs attention
- FPSE and WebFolders for Win64, Web Folders to Millenium both distractions
- Need to come back to finishing FPSE for Platinum, no ship vehicle as yet
- Internal dependencies: FrontPage client, webdocs (file open), EUP (new shortcut wiz)

Risks & External Dependencies

- Scalability goals and Performance needs focused attention
- Dependencies: Rosebud, MSDE
- System file protection is blocking problem for shipping FPSE in future Win2k releases and for QFE/SR work. No plan to solve as yet, working with RAD, IIS and NT.

Major Changes Since Last PDL

- UNIX support for office.net collaboration site cut. UNIX support for FrontPage Server Extensions continues.

FrontPage (MArcuri)

Current Feature Status:

- 2/3 of FP developers will be finished by 3/20. All development will be finished by 3/31.
- All Office Web Server dependencies have been delivered.

Major Issues, Concerns and Open Items:

- Waiting on DTC support work from the Web Documents team so we can finish and test Navigation Bars and Lists in Word.
- Still working with PhotoDraw team on APIs needed to roundtrip images between FrontPage and PhotoDraw.

Risks & External Dependencies:

- None

Major Changes since Last PDL:

- None

Publisher (ScottSt/MarthaDr)

Current Feature Status

- Code Complete (for 15w milestone) scheduled for 3/24
- Current projected completion range is from mid-week 15 (3/22) to late-week 16 (3/31).
- Dev team is putting in additional effort in hopes of pulling the CC date into week 15 (across the board)

Major Issues, Concerns and Open Items

- Areas of highest risk are: Color code, and Trapping. Both needed significant rewrite in Pub10 due to the integration of Escher.

Risks & External Dependencies

- MM2 (like MM0 and MM1) contains a high percentage of Escher-integration work. Escher-related features are critical path in mm2, and our CC date depends on a high level of responsiveness from the Escher team. Luckily, the Escher team has been very responsive, reacting quickly to unforeseen issues.

Major Changes Since Last PDL

- None

Small Business Tools (BarbaraW)

Current Feature Status

- M2 code complete on 3/13
- Customer Manager in IE5 against Exchange up and running, and in acceptance testing now.
- Customer Manager in Outlook against LIS blocked by dependencies. Expect deliverables from Outlook, XMLHTTP access to LIS, by mid-April.

Major Issues, Concerns and Open Items

- Open Items: Waiting for final Outlook deliverables
- Concerns: Building web services expertise in team

Risks & External Dependencies

- Areas of highest risk are: reliance on new technologies, pending deliverables, building web services expertise in team.
- External Dependencies: Platinum, LIS, MSXML, XMLHTTP access to LIS, IE5 behaviors.

Major Changes Since Last PDL

- None

PhotoDraw (SusanPap/MarkJar)

Current Feature Status

- We finished MM1 on 2/21
- MM2 coding is underway - we're in week 3 of 8.
- MM2 is timed such that the MM2 build will ship with the Office Preview Beta.
- Replacement vector storage/display is starting to be exciting - performance bottleneck is now actually in rendering where it belongs as opposed to data management/overhead.
- "Virtual Open" is looking great - we can now "Open" all 3500 files on CD2 in 3.5 seconds.
- Current schedule at <http://phd10/schedule/PHD10%20Project%20Schedule.htm> .
- Detailed schedule at <http://phd10/schedule/PhotoDraw10%20Design%20Steps.htm>
- MM3 feature list can be found at <http://phd10/schedule/M3%20Feature%20List.htm>

Major Issues, Concerns and Open Items

- Office10 Content CD. Phd would ship with standalone Phd SKUs and rely on in Office SKUs we ship in.
- Evaluating possibility of saving .JPG and .PNG with PhotoDraw data embedded in them instead of .MIX/.PHD native files in all or most cases. Many pros/cons, discussions continuing. Desire to make it easier to maintain and optimize file formats when opening, saving and publishing from Phd.

Risks & External Dependencies

- Integration/roundtrip to and from Office - need to guarantee re-editability after edit in Phd
- Will depend on GDI+ for it's JPG filter.
- Office Builds
- No Paste Recovery features planned...
- Specs are back on track, but still down pm resources
- No usability resource since 3/3. TBD when this will be filled.

Major Changes Since Last PDL

- Theme Customization is CUT.
- Programmability is CUT.
- Office Assistant is CUT.
- Added small set of M3 features for web services.