# First Wave

Authored by Rich Freedman, Doug Henrich, Denise Shephard, Tammy Steele, Brad Struss and Darby Williams. Draft 1.0,03/06/94 1:20 PM.

# Concept

The "First Wave Program" is a tool for DRG to get a critical mass of ...

- key Chicago applications
- to ship within 90 days of Chicago's shipment
- supporting the key features necessary to make Chicago successful

The goal of the program is to get firm commitments from the most important applications' vendors by getting LOIs signed by senior executives of these key vendors. The signed-up vendors would comprise a limited group of companies that would get special technical, informational and marketing assistance to maximize their chances of success.

Below is outlined the key qualifications for participation in this program as well as the program components that provide the benefits to participation.

# Qualifications

# First Wave Target Applications

The key applications for this program are those which will incent end-users to upgrade to Chicago soon after Chicago becomes available. For this program to be successful, we believe the quality of the technical and co-marketing assistance must be significant, and therefore the program needs to be limited to only the most important 40 applications to Chicago's success. (The capacity determination is explained below.)

The strategy to incent this coverage is twofold:

- 1. Depth of support in the most popular productivity application categories -- getting the highest-volume 2 or 3 applications in each of the following large productivity categories:
  - accounting/financial
  - application development/languages
  - application suites
  - email/on-line services
  - desktop publishing
  - graphics/presentation
  - integrated productivity apps
  - network/connectivity
  - PIMs
  - project management
  - screen savers
  - spreadsheet

- utilities
- word processing
- 2. General Win32 support in low-end and new market categories, to extend the usefulness of the Chicago platform, including 2-3 applications in the following areas:
  - games
  - educational apps
  - multimedia content
  - innovative new categories

### First Wave Time Frame

First Wave participants must commit, in a signed LOI, that they will pursue best efforts to ship their application within 90 days of the shipment of Chicago. There will be a requirement to deliver a *beta* version of their application to a "third party auditor" 60 days prior to the shipment of Chicago, and, prior to their application being included in the special "First Wave" On-Line Chicago Catalog, a document must be signed confirming that their shipment schedule will be within 90 days of Chicago's shipment.

### First Wave Feature Requirements

In order to qualify for the First Wave Program, an App must comply with the Chicago logo requirements. The following are those requirements.

Class I Requirements -- Mandatory for all applications getting the logo:

- 1. Win32
- 2. UI/Shell Support, following the UI Style Guideline Version 4.0
  - Register 16x16 and 32x32 pixel icons for each file type and your application
  - Use the Chicago look, as described in the UI Style Guideline v. 4.0, recommending using systemsupplied Common Dialog's and Controls
  - Get and use colors and metrics from the system in dialogs & controls.
  - Use right mouse button for context menus (and don't use right mouse button for anything else)
  - Follow Chicago application setup guidelines to make your app properly visible in the shell. At a minimum, use the registry, do not add information to win.ini or system.ini.
- 3. Test successfully on Windows NT "Daytona", and, if application uses Chicago-only APIs, then the Chicago-only functionality must degrade gracefully on Windows NT/Daytona.
- 4. Plug and Play message awareness.

**Class II Requirements** -- *Additional* requirements for all applications that work with files (an "application that works with files" is one that supports standard file open & close capabilities for documents):

- 5. OLE 2.0.
  - OLE 2.0 Container or Object support
  - OLE 2.0 Drag and Drop support
  - OLE 2.0 Compound File support with "document summary information" included
  - OLE 2.0 Automation support
- 6. Additional UI/Shell Support requirements, following the UI Style Guideline Version 4.0

# Case 2:04-cv-01045-JFM Document 303-55 Filed 11/18/11 Page 3 of 10

- Recommending using Chicago Common Dialog's or supporting equivalent functionality
- Support long file names in your application, and use long file names for displaying all document and data file names in the shell, in title bars, in dialogs and controls, and with icons, and hide the .3 extension names in your application
- Support UNC path names
- 7. Simple mail enable (include Send command in File Menu)

The specific definitions to Class I and Class II requirements are found in "Logo Requirements Specification", authored by Denise Shephard.

## **Incentives - Technical and Information Programs**

The key component of value to the *First Wave* participant is the product-related assistance that we will provide. This program is designed for a full-court press on behalf of the *First Wave* participants to give them the best possible chance to get quality, Chicago-exploitive applications to market within 90 days of the shipment of Chicago, and therefore be in a great position to take advantage of the immense wave of application upgrades that will take place on the coattails of the huge upgrade cycle of Windows 3.1 users to Chicago.

In order for us to give focused, high-quality attention to each participant, we will be limiting the total number of participants to 40 product teams. We have determined this limit to be 30 product teams, determined by the number of porting lab offices available over a 2-week period. In that not all participants will attend all labs, that capacity can probably be reasonably extended to a maximum of 40 participants.

These programs include the following:

### **Special Envoy**

Each *First Wave* participant will be assigned a special technical envoy. The special envoy is a DRG Technical Evangelist that will stay in close contact through product shipment for the *First Wave* participant. The main goal of the special envoy will be to do whatever is necessary at Microsoft to help the *First Wave* participant ship their product within 90 days of Chicago's shipment.

The special envoy will:

- Deliver one-on-one ISV meetings both on-site and at Microsoft to drive app design
- Provide special technical assistance to First Wave participant developers
- Keep in close contact with *First Wave* participants development cycle making sure any road blocks are cleared

### First Wave Hell Weeks

The porting lab will be made available to all *First Wave* participants for preparation for key events (such as Windows World and Chicago launch) and for special areas technology focus (such as OLE2 and UI). There will be special *First Wave Hell Weeks* that will have full technical support available. Support will come from the Porting Lab staff, Developer Support, and the Chicago development team. In addition, *First Wave* participants will have priority in scheduling lab time *at any time*.

• Event Driven

April 25-29: Windows World Prep Week October 3-7: Comdex Prep Week December 5-9: Final Touches Week

#### • Technology Driven (as needed)

General Porting: March 14-18: Win16 to Win32 porting issues - Chicago and NT April 12-16: Win32 Cross Platform - Building great 32-bit apps that for both Chicago and NT April 18-22: Internationalizing your applications June 13-17: General Chicago issues July 18-22: General Chicago issues Aug 22-26: General Chicago issues Sept 12-16: General Chicago issues

Specific focus: April 4-8: Chicago Exploitive Apps - Chicago User Interface Design Week June 27-Jul 1: Group 1 OLE 2.0 Difficult Issues Week Jul 4-8: Group 2 OLE 2.0 Difficult Issues Week Aug 1-5: Group 1 OLE 2.0 Interop Week Aug 8-12: Group 2 OLE 2.0 Interop Week

#### **Maximum Access to Builds**

*First Wave* participants will have access to internal self host builds between RC1 & Chicago Ship. These special builds will be provided via ISDN. This will allow *First Wave* participants to get past blocking problems as fast as possible and also help us verify bug fixes in the product.

We will most likely extend this special feature to our a few of our key 2nd tier ISVs as well. This will mean approximately 100 ISVs will have access to the special builds.

These interim builds will be supported via private Compuserve forum and will have a dedicated Developer Support Engineer available to make sure quick turnaround is achieved on all issues.

#### **Inside Track to Information**

*First Wave* participants will be provided with more specific Chicago schedule and feature information so that they may adjust their product cycles accordingly. We will likely require a special NDA to be defined by the Chicago Group to ensure that this information is protected.

#### **100 Beta Sites Guaranteed**

At M7, each *First Wave* participant will be able to submit a list of 100 names to be used in their beta test cycle. We will hire a temp to cross check each ISV's list of 100 names against our own Chicago beta list Any name from the list that falls outside of the cross section will be sent the beta unless they are on the "no beta" list. The finalized list will be returned to the *First Wave* participant. The *First Wave* participant will be responsible for getting returning a mutual NDA that is countersigned by the beta participant and the *First Wave* participant. (this is really silly, but CraigE said that they have to do it. I have a copy of the special NDA)

## Incentives - Co-Marketing Programs

The co-marketing programs for *First Wave* are designed to give premium exposure to *First Wave* applications, as an incentive to participate in the program. There are 3 such programs:

# Chicago On-Line Catalog

This is the "centerpiece" to the program. It is an electronic catalog that is included on [at least] every CD-SKU copy of Chicago (which is estimated to be approximately 30% - 50% of the total volume of Chicago), with catalog-type product, pricing and availability information about each qualifying product. In addition, Chicago product management will work with program management and OEM sales to include this Catalog application in the OEM Adaptation Kit to be included in what is pre-installed on "Ready-to-Run" PCs. All *FirstWave* products qualify, once the schedule information has been validated prior to the release of this catalog on disc.

#### Catalog Design Goals

A full specification needs to be developed, but design goals of such a catalog include:

- Rich text capabilities, for impactful text treatments
- Ability to embed graphic elements, specifically bitmaps of screen shots and/or packaging
- Index searching capabilities, or full-text searching capabilities
- Ability to highlight First Wave program participants over other companies' products

#### Schedule Validation/Registration and Catalog Administration

A key factor of success for this catalog from a product marketing standpoint is to have a useful guide to new purchasers of Chicago on what applications will be available for purchase within a defined, short period of time. Therefore, we need to "vapor-proof" the catalog as much as possible. The following steps will, therefore, be required prior to a product's being admitted to the final release of the catalog:

- 1. a full-function beta must be "registered" within 60 days prior to the shipment of Chicago
- 2. a final release form must be signed by an officer of the company 30 days before the shipment of Chicago stating that the product will indeed ship within 90 days after the shipment of Chicago

Because of the sensitivity of releasing company-confidential information to Microsoft (or anyone outside their company), we must design the system so that ISVs are satisfied with the maintenance of confidentiality concerning product features. This almost certainly means that we need to employ an outside, trustworthy agent in the process, possibly a catalog vendor or testing lab facility to validate to Microsoft that the beta product has been "registered" with that outside agent. That way Microsoft has no access to the ISVs' product betas and confidentiality is maintained.

#### Launch Program

At the time of Chicago Launch, there will be a significant role for *First Wave* participants. At minimum, there will be a high-exposure 3rd-party booth setting with press exposure, and *First* Wave participants will get priority treatment in the launch programs that are planned. At this early date, however, the details of this opportunity are not known.

## **Chicago Logo Program**

The Logo is not *directly* tied in to the *First Wave* program, however, it is a parallel tool in getting apps to support that right things in Chicago. By design, the feature requirements for the *First Wave* program are identical to the feature requirements to get the Chicago Logo. Therefore, as participants, by signing up and complying with this program, they will be guaranteed the license to the Chicago logo.

# **Other Co-Marketing Opportunities**

As the launch of Chicago draws closer, we will identify and communicate to *First Wave* participants additional co-marketing activities.

# Rollout of First Wave Program

The strategy to rolling this out is to offer the "Top Tier" companies, listed in the target app section below, a 3-week window to consider signing up, after which we will go down the list in each key application category and invite the next tier of companies to participate where that category hasn't yet been filled. The goal is to get the most popular of the key categories that are important to providing incentive for end users to upgrading to Chiacgo.

# **Draft First Wave LOI**

Darby to complete based on agreement of the above program elements.

# Budget

Rich to complete the budget assessment for the co-marketing programs.

Case 2:04-cv-01045-JFM Document 303-55 Filed 11/18/11 Page 7 of 10 PX0148

# List of Target First Wave Apps

	<u>Tier</u>	Category	Company	Product	DRG AM
	1st Tier	Accounting/Financial	Intuit	Quicken 3.0	darbyw
	1st Tier	45	Microsoft	Money	
		App Development / Languages	Borland Int'l	C++	craige
ŝ	1st Tier	App Development / Languages	Digitalk	Smalltalk	lorinc
		App Development / Languages	Powersoft	PowerBuilder	lorinc
		App Development / Languages	Symantec	C++	craige
		App Development / Languages	Microsoft	VC++	
		Comm / 3270	Attachmate	Extra!	geraldd
		Comm / 3270	Datastorm		geraldd
		Comm / 3270	Wall Data	Rhumba	geraldd
		Content Publishing	Comptons		rsegal
		Content Publishing	Sony Publishing	-	rsegal
	1st Tier	Databases	Borland Int'l	Paradox	darbyw
	1st Tier	Databases	Claris Corp	FileMaker Pro	jamespl
	1st Tier	Databases	Lotus	Approach 2.1	adamwa
	1st Tier	Databases	Symantec Corp	Q&A 4.0	darbyw
	1st Tier	Databases	Microsoft	Access	
	1st Tier	Desktop Publishing	Aldus Corp	PageMaker 5.0	alexjo
	1st Tier	Desktop Publishing	Quark	Express	alexjo
	1st Tier	Desktop Publishing	Microsoft	Publisher	alexjo??
	1st Tier	E-Mail / On-Line	America Online		rsegal
		E-Mail / On-Line	CompuServe		rsegal
		E-Mail / On-Line	Lotus	cc:mail	adamwa
		E-Mail / On-Line	Prodigy		rsegal
		E-Mail / On-Line	Word Perfect	WordPerfect 4.0	bradstr
		Games \ Education	Broderbund	many titles	rsegal
		Games \ Education	Electronic Arts	many titles	rsegal
		Games \ Education	Microsoft, Corp	many titles	rsegal
	1st Tier	Games \ Education	Davidson & Associates	Reader Rabbit, Math Blaster	rsegal
	1st Tier	Graphics / Photo Tools	Adobe Systems, Inc	Photoshop 2.5	darbyw
	1st Tier	Graphics / Photo Tools	Micrografx, Inc	Picture Publisher	scotthe/
			morogram, mo	4.0	bradstr
	1st Tier	Illustration / CAD	Corel Corp	CorelDRAW 4.0	scotthe
	1st Tier	Illustration / CAD	Micrografx, Inc	ABC FlowCharter	scotthe/
			<b>-</b> .	2.0	bradstr
	1st Tier	Integrated / Works	Claris	Works	jamespl
	1st Tier	Integrated / Works	Lotus	LotusWorks	adamwa
	1st Tier	Integrated / Works	Spinnaker Software	WindoWorks	scotthe
	1st Tier	Integrated / Works	WordPerfect		bradstr
		Network/Connectivity	Banyan		dbeaver
	1st Tier		Novell		dbeaver
	1st Tier	Network/Connectivity	SunSelect		dbeaver
		PIMs	Arabesque Software	ECCO	?????
	1st Tier	PIMs	Polaris	Packrat	scotthe
	1st Tier	PIMs	Symantec, Inc	ACT! 1.1	darbyw
	1st Tier	Presentation	Aldus	Persuasion	alexjo

MS-PCA 2150202 CONFIDENTIAL

# Case 2:04-cv-01045-JFM Document 303-55 Filed 11/18/11 Page 8 of 10 PX0148

1st Tier	Presentation	Lotus	Freelance 2.0	adamwa
1st Tier	Presentation	Software Publishing	Harvard Graphics	darbyw
1st Tier	Presentation	Software Publishing	Harvard Graphics	darbyw
1st Tier	Project Management	Computer Associates	•	marshalg
1st Tier	Project Management	Symantec	Timeline	darbyw
1st Tier	Project Management	Microsoft	Project	darbyw
1st Tier	Screen Savers	Berkeley		darbyw
1st Tier	Screen Savers	Delrina		timmcc
1st Tier	Spreadsheets	Borland Int'l	Quattro Pro 5.0	darbyw
1st Tier	Spreadsheets	Lotus	1-2-3 Release 4	adamwa
1st Tier	Spreadsheets	Microsoft	Excel	???
1st Tier	Suite	Borland/ Wordperfect	Borland Office	darbyw
1st Tier	Suite	Lotus Corp	SmartSuite	adamwa
1st Tier		Microsoft	Office	???
	Systems Management	Brightworks	Onice	daveber
	Systems Management	_		daveber
		Fyre Saber		daveber
1st Tier	Systems Management Utilities	Central Point Software		
1st Tier	Utilities		Remote Control	geraldd toddn
		Microcomm	Remote Control	
1st Tier	Utilities Word Processors	Symantec/Norton	AmiDro	geraldd
		Lotus	AmiPro	adamwa
1st Tier	Word Processors	Word Perfect Corp	Word Perfect 6.0	bradstr
	Word Processors	Microsoft	Wor	???
1st Her	Workgroup	Lotus	Notes Client	adamwa
2nd Tion	Accounting / Financial	Maca Software	TayCut	scotthe
	Accounting / Financial	Meca Software	TaxCut	scotthe
2nd Tier	App Development / Languages	Blue Sky Software Corp	RoboHELP 2.0	lorinc
2nd Tier 2nd Tier	App Development / Languages Comm / 3270	Blue Sky Software Corp DCA		lorinc geraldd
2nd Tier 2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270	Blue Sky Software Corp DCA Eicon	RoboHELP 2.0 IRMA Workstation	lorinc geraldd geraldd
2nd Tier 2nd Tier 2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270	Blue Sky Software Corp DCA Eicon FutureSoft	RoboHELP 2.0	lorinc geraldd geraldd geraldd
2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft	RoboHELP 2.0 IRMA Workstation Dynacomm Elite	lorinc geraldd geraldd geraldd geraldd
2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc.	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1	lorinc geraldd geraldd geraldd geraldd toddn
2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks	lorinc geraldd geraldd geraldd geraldd toddn scotthe
2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM	lorinc geraldd geraldd geraldd geraldd toddn
2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM Encyclopedia	lorinc geraldd geraldd geraldd geraldd toddn scotthe rsegal
2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM Encyclopedia 4gl/client db	lorinc geraldd geraldd geraldd geraldd toddn scotthe
2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing Databases	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing Gupta	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM Encyclopedia 4gl/client db products	lorinc geraldd geraldd geraldd geraldd toddn scotthe rsegal mbrown
2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1. CommWorks New Grolier MM Encyclopedia 4gl/client db products Momentum	lorinc geraldd geraldd geraldd geraldd toddn scotthe rsegal
2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing Databases Databases	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing Gupta Sybase	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM Encyclopedia 4gl/client db products Momentum product line	lorinc geraldd geraldd geraldd toddn scotthe rsegal mbrown mbrown
2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing Databases Databases Desktop Publishing	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing Gupta Sybase Frame Technology Corp	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM Encyclopedia 4gl/client db products Momentum product line	lorinc geraldd geraldd geraldd toddn scotthe rsegal mbrown mbrown darbyw
2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing Databases Databases Desktop Publishing EIS	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing Gupta Sybase Frame Technology Corp Cognos	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM Encyclopedia 4gl/client db products Momentum product line	lorinc geraldd geraldd geraldd toddn scotthe rsegal mbrown mbrown darbyw tammyst
2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing Databases Databases Desktop Publishing EIS EIS	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing Gupta Sybase Frame Technology Corp Cognos Information Resources	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM Encyclopedia 4gl/client db products Momentum product line FrameMaker 4.0	lorinc geraldd geraldd geraldd geraldd toddn scotthe rsegal mbrown mbrown darbyw tammyst geraldd
2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing Databases Databases Desktop Publishing EIS EIS EIS	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing Gupta Sybase Frame Technology Corp Cognos Information Resources Pilot Software	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM Encyclopedia 4gl/client db products Momentum product line	lorinc geraldd geraldd geraldd geraldd toddn scotthe rsegal mbrown mbrown darbyw tammyst geraldd geraldd
2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing Databases Databases Desktop Publishing EIS EIS EIS	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing Gupta Sybase Frame Technology Corp Cognos Information Resources Pilot Software Comshare	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM Encyclopedia 4gl/client db products Momentum product line FrameMaker 4.0 Lightship	lorinc geraldd geraldd geraldd toddn scotthe rsegal mbrown darbyw tammyst geraldd geraldd geraldd
2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing Databases Databases Desktop Publishing EIS EIS EIS EIS	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing Gupta Sybase Frame Technology Corp Cognos Information Resources Pilot Software Comshare SAS Institute	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM Encyclopedia 4gl/client db products Momentum product line FrameMaker 4.0 Lightship SAS System	lorinc geraldd geraldd geraldd dodn scotthe rsegal mbrown mbrown darbyw tammyst geraldd geraldd geraldd tammyst
2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing Databases Databases Desktop Publishing EIS EIS EIS EIS EIS EIS EIS	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing Gupta Sybase Frame Technology Corp Cognos Information Resources Pilot Software Comshare SAS Institute Altamira	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM Encyclopedia 4gl/client db products Momentum product line FrameMaker 4.0 Lightship SAS System Composer	lorinc geraldd geraldd geraldd geraldd toddn scotthe rsegal mbrown mbrown darbyw tammyst geraldd geraldd geraldd tammyst darbyw
2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing Databases Databases Desktop Publishing EIS EIS EIS EIS EIS EIS EIS EIS EIS EIS	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing Gupta Sybase Frame Technology Corp Cognos Information Resources Pilot Software Comshare SAS Institute Altamira Inset Systems	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM Encyclopedia 4gl/client db products Momentum product line FrameMaker 4.0 Lightship SAS System Composer HiJaak Pro	lorinc geraldd geraldd geraldd geraldd toddn scotthe rsegal mbrown mbrown darbyw tammyst geraldd geraldd geraldd tammyst darbyw scotthe
2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing Databases Databases Databases Desktop Publishing EIS EIS EIS EIS EIS EIS EIS EIS EIS EIS	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing Gupta Sybase Frame Technology Corp Cognos Information Resources Pilot Software Comshare SAS Institute Altamira Inset Systems U-Lead Systems	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM Encyclopedia 4gl/client db products Momentum product line FrameMaker 4.0 Lightship SAS System Composer HiJaak Pro ImagePals 1.2	lorinc geraidd geraidd geraidd geraidd toddn scotthe rsegal mbrown darbyw tammyst geraidd geraidd geraidd geraidd tammyst darbyw scotthe scotthe
2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing Databases Databases Databases Desktop Publishing EIS EIS EIS EIS EIS EIS EIS EIS EIS EIS	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing Gupta Sybase Frame Technology Corp Cognos Information Resources Pilot Software Comshare SAS Institute Altamira Inset Systems U-Lead Systems Autodesk, Inc	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1. CommWorks New Grolier MM Encyclopedia 4gl/client db products Momentum product line FrameMaker 4.0 Lightship SAS System Composer HiJaak Pro ImagePals 1.2 AutoCAD 12	lorinc geraldd geraldd geraldd geraldd toddn scotthe rsegal mbrown darbyw tammyst geraldd geraldd geraldd geraldd tammyst darbyw scotthe scotthe
2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing Databases Databases Databases Desktop Publishing EIS EIS EIS EIS EIS EIS EIS EIS EIS Graphics / Photo Tools Graphics / Photo Tools Graphics / Photo Tools Illustration / CAD	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing Gupta Sybase Frame Technology Corp Cognos Information Resources Pilot Software Comshare SAS Institute Altamira Inset Systems U-Lead Systems Autodesk, Inc Deneba Software	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1 CommWorks New Grolier MM Encyclopedia 4gl/client db products Momentum product line FrameMaker 4.0 Lightship SAS System Composer HiJaak Pro ImagePals 1.2 AutoCAD 12 Canvas Windows	lorinc geraldd geraldd geraldd toddn scotthe rsegal mbrown darbyw tammyst geraldd geraldd geraldd geraldd tammyst darbyw scotthe scotthe
2nd Tier 2nd Tier	App Development / Languages Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Comm / 3270 Content Publishing Databases Databases Databases Desktop Publishing EIS EIS EIS EIS EIS EIS EIS EIS EIS EIS	Blue Sky Software Corp DCA Eicon FutureSoft NetSoft Hilgraeve, Inc. Traveling Software Grolier Electronic Publishing Gupta Sybase Frame Technology Corp Cognos Information Resources Pilot Software Comshare SAS Institute Altamira Inset Systems U-Lead Systems Autodesk, Inc	RoboHELP 2.0 IRMA Workstation Dynacomm Elite HyperACCESS 1. CommWorks New Grolier MM Encyclopedia 4gl/client db products Momentum product line FrameMaker 4.0 Lightship SAS System Composer HiJaak Pro ImagePals 1.2 AutoCAD 12	lorinc geraldd geraldd geraldd geraldd toddn scotthe rsegal mbrown darbyw tammyst geraldd geraldd geraldd geraldd tammyst darbyw scotthe scotthe

# Case 2:04-cv-01045-JFM Document 303-55 Filed 11/18/11 Page 9 of 10 PX0148

		Ŧ		
2nd Tier	Math/Science	Mathsoft	MathCAD	tammyst
	Math/Science	Wolfram	Mathmatica	tammyst
	Network/Connectivity	Artisoft	Matimatioa	dbeaver
	Network/Connectivity	DEC		dbeaver
	Network/Connectivity	FTP Software		dbeaver
	Network/Connectivity	Shiva	Net Modem	dbeaver
2nd Tier	•	Franklin Quest	Ascend	scotthe/
	F IIVIS	Fiankin Quest	Ascenu	roberth
2nd Tier	PIMs	Spinnaker Software	Calendar Creator	scotthe
	Spreadsheets	Lotus	Improv 2.1	adamwa
	Utilities	Adobe Systems, Inc	Acrobat	darbyw
	Utilities	Envrlopr Manager	DAZzle Plus	toddn
	Gundes	Software	DAZZICI IUS	todun
2nd Tier	Utilities	Farallon	Replica	toddn
	Utilities	Farallon	Remote Control	toddn
	Utilities	Folio Corp	Folio VIEWS 3.0	toddn
	Utilities	Helix Software	NetRoom 3.0	toddn
	Utilities	Ocean Isle	Remote Control	toddn
	Utilities	The Periscope Co. Inc	WinScope 1.01	toddn
Zna nor				toddin
tbd	Accounting / Financial	Great Plains		scotthe
tbd	Accounting / Financial	Macola		scotthe
tbd	Accounting / Financial	Peachtree Software		scotthe
tbd	Accounting / Financial	Platnium		scotthe
New	Alternative Desktops	Plannet Crafters, Inc	Plug-In for	toddn
11011			Program Manager	toddii
New	Application Development	Sybase	Gain Momentum	tbd
New	Application Development	ILOG, Inc	ILOG Views	tbd
New	Application Development	Neuron Data	Open Interface	tbd
New	Application Development	Sapiens USA, Inc	SAPIENS Ideo	tbd
New	Application Development	Amber Software Europe	CS++	tbd
New	Application Development	TSI International	Mercator	tbd
New	Application Development	Prodea	Prodea Synergy	tbd
New	Application Development	Business Objects, Inc	BusinessObjects	tbd
New	Comm / 3270	Word Perfect	Telephone Server	
New	Comm / 3270	WildSoft, Inc	WildSoft	tbd
New	Comm / 3270	Traveling Software	LapLink Wireless	tbd
		Haroling Column	with AirShare	lo d
New	Comm / 3270	ATT/Campbell Services	OnTime for	tbd
		an ann a' a chuidheana <mark>p</mark> arair Grann ann anns anns Frainn. S	Windows	
tbd	Databases	Oracle	4gl products	darbyw
tbd	Databases	PageAhead Software	InfoPublisher 2.0	toddn
New	Desktop Faxing	Eclipse Systems, Inc	Eclipse Fax OCR	timmcc
			1.21	
New	Desktop Faxing	SoftNet, Inc	FaxWorks Pro 3.0	timmcc
New	E-Mail / On-Line	Computer Mail Services,	MailPlus	toddn
		Inc		
New	E-Mail / On-Line	Connect Software	E-Mail Connection	toddn
Now	E Moil / On Line	7iff Davia	1.0	todda
New	E-Mail / On-Line	Ziff-Davis	Interchange	toddn
New	E-Mail / On-Line	PED Software Corp	journalist 1.1	toddn
New	E-Mail / On-Line	Dow Jones & Co.		tbd
			Internet	

# Case 2:04-cv-01045-JFM Document 303-55 Filed 11/18/11 Page 10 of 10 PX0148

New	Graphics / Photo Tools	Laurel Systems	Global3D	tbd
New	Graphics / Photo Tools	Socha Computing, Inc	Imaginaria 1.0	tbd
New	Graphics / Photo Tools	HSC Software	Kai's Power Tools	tbd
New	Graphics / Photo Tools	Ares Software Corp	FontChameleon	tbd
New	Graphics / Photo Tools	Three D Graphics	PixelLoom	tbd
New	Graphics / Photo Tools	Truevision, Inc	Targa 2000	tbd
New	Graphics / Photo Tools	ElseWare Corp	Font Works	tbd
tbd	Graphics / Photo Tools	Pantone, Inc	ColorUP 1.0	alexjo
New	Illustration / CAD	Visioneer	PaperMax, MaxMate	tbd
New	Illustration / CAD	Crandall Group	RichImage	tbd
New	Info Management	Documentum, Inc	Documentum Doc Mgmt	tbd
New	Info Management	Show Business Software	Show Business	tbd
New	Info Management	CrossTies Software, Cor	p	tbd
New	Info Management	Group 1 Software	AccuMail Windows	tbd
New	Info Management	Polaris Software	Advantage 1.0	tbd
New	Info Management	Winformation Software, Inc	Appeal	tbd
New	Info Management	Jensen-Jones	Commense 2.1	tbd
New	Management	Avantos Performance Systems, Inc	ManagePro 2.0	toddn
New	Multimedia	Putman New Media	The Cartoon History of the Universe	tbd
New	Multimedia	Knowledge Adventure, Inc	3-D Dinosaur Adventure	tbd
New	Multimedia	VideoLogic, Ltd	928Movie, Power VR	tbd
New	Multimedia	Lotus Developement Corp	Lotus ScreenCam	tbd
New	Utilities	Cognitronix	Searcher Pro 2.0	toddn
tbd	Utilities	America Online	Rummage 2.1	chrislye
tbd	Utilities	MicroHelp, Inc	Uninstaller 1.0	toddn
		•		