

---

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

**FORM 10-Q**

---

R **QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

**For the Quarterly Period ended June 30, 2011**

or

£ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

**For the transition period from \_\_\_\_\_ to \_\_\_\_\_**

**Commission File Number 000-31311**

**PDF SOLUTIONS, INC.**

(Exact name of Registrant as Specified in its Charter)

**Delaware**

(State or Other Jurisdiction of  
Incorporation or Organization)

**25-1701361**

(I.R.S. Employer  
Identification No.)

**333 West San Carlos Street, Suite 700  
San Jose, California**

(Address of Principal Executive Offices)

**95110**

(Zip Code)

**(408) 280-7900**

(Registrant's Telephone Number, Including Area Code)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes R No £

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes £ No £

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

£ Large accelerated filer      R Accelerated filer      £ Non-accelerated filer      £ Smaller reporting company  
(Do not check if a smaller reporting company)

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes £ No R

The number of shares outstanding of the Registrant's Common Stock as of August 1, 2011 was 28,008,973.

---

---

## TABLE OF CONTENTS

	<b>Page</b>
<b>PART I FINANCIAL INFORMATION</b>	
Item 1. Financial Statements (Unaudited)	
Condensed Consolidated Balance Sheets	3
Condensed Consolidated Statements of Operations	4
Condensed Consolidated Statements of Cash Flows	5
Notes to Condensed Consolidated Financial Statements	6
Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations	18
Item 3. Quantitative and Qualitative Disclosures About Market Risk	28
Item 4. Controls and Procedures	28
<b>PART II OTHER INFORMATION</b>	
Item 1. Legal Proceedings	29
Item 1A. Risk Factors	30
Item 2. Unregistered Sales of Equity Securities and Use of Proceeds	30
Item 3. Defaults Upon Senior Securities	30
Item 4. (Removed and Reserved)	30
Item 5. Other Information	30
Item 6. Exhibits	31
<b>SIGNATURES</b>	<b>32</b>
<b>INDEX TO EXHIBITS</b>	<b>33</b>

PART I — FINANCIAL INFORMATION

Item 1. Financial Statements

PDF SOLUTIONS, INC.  
 CONDENSED CONSOLIDATED BALANCE SHEETS  
 (unaudited)  
 (in thousands, except par value)

	<u>June 30,</u> <u>2011</u>	<u>December 31,</u> <u>2010 (*)</u>
<b>ASSETS</b>		
Current assets:		
Cash and cash equivalents	\$ 41,712	\$ 38,154
Accounts receivable, net of allowance of \$254 in both 2011 and 2010	22,176	23,442
Prepaid expenses and other current assets	3,869	3,246
Total current assets	67,757	64,842
Non-current investments		
Property and equipment, net	718	718
Intangible assets, net	820	797
Other non-current assets	954	1,369
Total assets	<u>\$ 70,934</u>	<u>\$ 68,453</u>
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
Current liabilities:		
Accounts payable	\$ 1,155	\$ 1,080
Accrued compensation and related benefits	4,749	3,964
Accrued and other current liabilities	3,066	2,636
Deferred revenues	2,824	3,021
Billings in excess of recognized revenues	2,010	1,802
Current portion of debt obligations	59	108
Total current liabilities	13,863	12,611
Long-term income taxes payable	3,397	3,668
Other non-current liabilities	980	1,259
Total liabilities	<u>18,240</u>	<u>17,538</u>
Commitments and contingencies (Note 14)		
Stockholders' equity:		
Preferred stock, \$0.00015 par value, 5,000 shares authorized, no shares issued and outstanding	—	—
Common stock, \$0.00015 par value, 70,000 shares authorized: shares issued 31,904 and 31,276, respectively; shares outstanding 28,008 and 27,603, respectively	4	4
Additional paid-in-capital	204,309	200,866
Treasury stock at cost, 3,896 and 3,673 shares, respectively	(20,667)	(19,298)
Accumulated deficit	(131,242)	(130,586)
Accumulated other comprehensive income (loss)	290	(71)
Total stockholders' equity	52,694	50,915
Total liabilities and stockholders' equity	<u>\$ 70,934</u>	<u>\$ 68,453</u>

(\*) Includes revisions to correct previously reported amounts (see Note 2)

*See accompanying Notes to Condensed Consolidated Financial Statements (unaudited).*

**PDF SOLUTIONS, INC.**  
**CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS**  
**(unaudited)**  
**(in thousands, except per share amounts)**

	<b>Three Months Ended June 30,</b>		<b>Six Months Ended June 30,</b>	
	<b>2011</b>	<b>2010(*)</b>	<b>2011(*)</b>	<b>2010(*)</b>
<b>Revenues:</b>				
Design-to-silicon-yield solutions	\$ 13,003	\$ 10,814	\$ 23,570	\$ 21,231
Gainshare performance incentives	4,157	4,538	8,607	9,373
<b>Total revenues</b>	<b>17,160</b>	<b>15,352</b>	<b>32,177</b>	<b>30,604</b>
<b>Costs of design-to-silicon-yield solutions:</b>				
Direct costs of design-to-silicon-yield solutions	7,263	6,487	13,701	13,467
Amortization of acquired technology	156	360	312	719
<b>Total costs of design-to-silicon-yield solutions</b>	<b>7,419</b>	<b>6,847</b>	<b>14,013</b>	<b>14,186</b>
<b>Gross profit</b>	<b>9,741</b>	<b>8,505</b>	<b>18,164</b>	<b>16,418</b>
<b>Operating expenses:</b>				
Research and development	3,717	3,865	7,429	7,259
Selling, general and administrative	5,242	4,381	10,081	9,132
Amortization of other acquired intangible assets	51	82	102	168
Restructuring charges (credits)	(122)	(33)	(133)	(32)
<b>Total operating expenses</b>	<b>8,888</b>	<b>8,295</b>	<b>17,479</b>	<b>16,527</b>
Income (loss) from operations	853	210	685	(109)
Interest and other income (expense), net	(32)	404	(411)	666
Income before income taxes	821	614	274	557
Income tax provision	878	275	930	776
<b>Net income (loss)</b>	<b>\$ (57)</b>	<b>\$ 339</b>	<b>\$ (656)</b>	<b>\$ (219)</b>
<b>Net income (loss) per share:</b>				
Basic	\$ 0.00	\$ 0.01	\$ (0.02)	\$ (0.01)
Diluted	\$ 0.00	\$ 0.01	\$ (0.02)	\$ (0.01)
<b>Weighted average common shares:</b>				
Basic	28,110	27,118	27,960	27,024
Diluted	28,110	27,357	27,960	27,024

(\*) Includes revisions to correct previously reported amounts (see Note 2)

*See accompanying Notes to Condensed Consolidated Financial Statements (unaudited).*

**PDF SOLUTIONS, INC.**  
**CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS**  
**(unaudited)**  
**(in thousands)**

	<b>Six Months Ended June 30,</b>	
	<b>2011(*)</b>	<b>2010(*)</b>
	<b>(In thousands)</b>	
<b>Operating activities:</b>		
Net loss	\$ (656)	\$ (219)
Adjustments to reconcile net loss to net cash provided by (used in) operating activities:		
Depreciation and amortization	244	505
Stock-based compensation expense	2,594	2,947
Amortization of acquired intangible assets	414	887
Deferred taxes	(174)	—
Purchases of treasury stock in connection with tax withholdings on restricted stock grants	(341)	(355)
Changes in operating assets and liabilities:		
Accounts receivable	1,266	(3,569)
Prepaid expenses and other assets	(385)	240
Accounts payable	315	312
Accrued compensation and related benefits	704	(603)
Accrued and other liabilities	(106)	(1,341)
Deferred revenues	(143)	88
Billings in excess of recognized revenues	208	(1,263)
Net cash provided by (used in) operating activities	<u>3,940</u>	<u>(2,371)</u>
<b>Investing activities:</b>		
Purchases of property and equipment	(238)	(59)
Net cash used in investing activities	<u>(238)</u>	<u>(59)</u>
<b>Financing activities:</b>		
Proceeds from exercise of stock options	421	50
Proceeds from employee stock purchase plan	428	411
Purchases of treasury stock	(1,028)	—
Principal payments on debt obligations	(56)	(60)
Net cash provided by (used in) financing activities	<u>(235)</u>	<u>401</u>
Effect of exchange rate changes on cash and cash equivalents	91	(778)
Net change in cash and cash equivalents	3,558	(2,807)
Cash and cash equivalents, beginning of period	38,154	34,899
Cash and cash equivalents, end of period	<u>\$ 41,712</u>	<u>\$ 32,092</u>
<b>Supplemental disclosure of cash flow information:</b>		
Cash paid during the period for:		
Income taxes	\$ 925	\$ 1,086
Interest	<u>\$ 2</u>	<u>\$ 5</u>

(\*) Includes revisions to correct previously reported amounts (see Note 2)

*See accompanying Notes to Condensed Consolidated Financial Statements (unaudited).*

**PDF SOLUTIONS, INC.**  
**NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)**

**1. BASIS OF PRESENTATION**

*Basis of Presentation*

The interim unaudited condensed consolidated financial statements included herein have been prepared by PDF Solutions, Inc. (“the Company”) pursuant to the rules and regulations of the Securities and Exchange Commission (“SEC”), including the instructions to the Quarterly Report on Form 10-Q and Article 10 of Regulation S-X. Certain information and footnote disclosures normally included in annual financial statements prepared in accordance with accounting principles generally accepted in the United States of America have been condensed or omitted. The interim unaudited condensed consolidated financial statements reflect, in the opinion of management, all adjustments necessary, to present a fair statement of results for the interim periods presented. Such adjustments consist of normal recurring adjustments and, as explained in Note 2, adjustments reflected in revised prior period condensed consolidated financial statements. The operating results for any interim period are not necessarily indicative of the results that may be expected for other interim periods or the full fiscal year. The accompanying interim unaudited condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements and notes thereto in the Company’s Annual Report on Form 10-K for the year ended December 31, 2010.

The condensed consolidated financial statements include the accounts of the Company and its wholly-owned subsidiaries after the elimination of all significant intercompany balances and transactions.

*Significant Estimates* — The preparation of the condensed consolidated financial statements in conformity with accounting principles generally accepted in the United States of America (“U.S. GAAP”) requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenues and expenses. A significant portion of the Company’s revenues require estimates with respect to total costs which may be incurred and revenues earned. Actual results could differ from these estimates.

*Revenue Recognition* — The Company derives revenue from two sources: Design-to-silicon-yield Solutions, which includes Services and Software Licenses, and Gainshare Performance Incentives.

*Design-to-Silicon-Yield Solutions* — Revenues that are derived from Design-to-silicon-yield solutions come from services and software licenses. The Company recognizes revenue for each element of Design-to-Silicon-Yield solutions as follows:

*Services* — The Company generates a significant portion of its Design-to-silicon-yield solutions revenue from fixed-price solution implementation service contracts delivered over a specific period of time. These contracts require reliable estimation of costs to perform obligations and the overall scope of each engagement. Revenues under contracts for solution implementation services are recognized as services are performed using the cost-to-cost percentage of completion method of contract accounting. Losses on solution implementation contracts are recognized in the period when they become probable. Revisions in profit estimates are reflected in the period in which the conditions that require the revisions become known and can be estimated.

On occasion, the Company licenses its software products that are not essential to the provision of these services as a component of its fixed-price service contract. In such instances, the software products are licensed to customers over a specified term of the agreement with support and maintenance to be provided over the license term.

In October 2009, the Financial Accounting Standards Board (“FASB”) amended the accounting standards for multiple-deliverable revenue arrangements to:

- provide updated guidance on whether multiple deliverables exist, how the deliverables in an arrangement should be separated, and how the consideration should be allocated;
- require an entity to allocate revenue in an arrangement using best estimate of selling prices (“BESP”) of deliverables if a vendor does not have vendor-specific objective evidence of fair value (“VSOE”) or third-party evidence of selling price (“TPE”); and
- eliminate the use of the residual method and require an entity to allocate revenue using the relative selling price method.

The Company elected to early adopt this accounting standard on April 1, 2010 on a prospective basis for applicable transactions originating or materially modified after January 1, 2010. The Company's adoption of this guidance does not generally change the accounting for the Company's software transactions. It only affects certain revenue arrangements that include both solution implementation services and software products that are not essential to the provision of these services. The amount of product and service revenue recognized in a given period is affected by the Company's judgment as to whether an arrangement includes multiple deliverables and, if so, its determination of the fair value of each deliverable. In general, VSOE does not exist for the Company's solution implementation services and software products. Because its services and products include its unique technology, the Company is not able to determine TPE. Therefore, the Company uses BEP in its allocation of arrangement consideration. In determining BEP, the Company applies significant judgment as it weighs a variety of factors, based on the facts and circumstances of the arrangement. The Company typically arrives at a BEP for a product or service that is not sold separately by considering company-specific factors such as geographies, internal costs, gross margin objectives, pricing practices used to establish bundled pricing, and existing portfolio pricing and discounting. After fair value is established for each deliverable, the total transaction amount is allocated to each deliverable based upon its fair value. Fees allocated to solution implementation services are recognized using the cost-to-cost percentage of completion method of contract accounting. Fees allocated to software and related support and maintenance are recognized under software revenue recognition guidance. Prior to the adoption of this new accounting standard, under these arrangements, where VSOE of fair value existed for the support and maintenance element, the support and maintenance revenue was recognized separately over the term of the supporting period and the remaining fee was recognized as services were performed using the cost-to-cost percentage of completion method of contract accounting.

*Software Licenses* — The Company also licenses its software products separately from its integrated solution implementations. For software license arrangements that do not require significant modification or customization of the underlying software, software license revenue is recognized under the residual method when (1) persuasive evidence of an arrangement exists, (2) delivery has occurred, (3) the fee is fixed or determinable, (4) collectability is probable, and (5) the arrangement does not require services that are essential to the functionality of the software. When arrangements include multiple elements such as support and maintenance, consulting (other than for its fixed price solution implementations), installation, and training, revenue is allocated to each element of a transaction based upon its fair value as determined by the Company's VSOE and such services are recorded as services revenue. VSOE for maintenance is generally established based upon negotiated renewal rates while VSOE for consulting, installation, and training services is established based upon the Company's customary pricing for such services when sold separately. Revenue for software licenses with extended payment terms is not recognized in excess of amounts due. For software license arrangements that require significant modification or customization of the underlying software, the software license revenue is recognized as services are performed using the cost-to-cost percentage of completion method of contract accounting, and such revenue is recorded as services revenue.

*Gainshare Performance Incentives* — When the Company enters into a contract to provide yield improvement services, the contract usually includes two components: (1) a fixed fee for performance by the Company of services delivered over a specific period of time; and (2) a gainshare performance incentives component where the customer may pay a variable fee, usually after the fixed fee period has ended. Revenue derived from gainshare performance incentives represents profit sharing and performance incentives earned based upon the Company's customers reaching certain defined operational levels established in related solution implementation service contracts. Gainshare performance incentives periods are usually subsequent to the delivery of all contractual services and therefore have no cost to the Company. Due to the uncertainties surrounding attainment of such operational levels, the Company recognizes gainshare performance incentives revenue (to the extent of completion of the related solution implementation contract) upon receipt of performance reports or other related information from the customer supporting the determination of amounts and probability of collection.

## **2. REVISIONS TO FINANCIAL STATEMENTS**

During the three months ended June 30, 2011, the Company identified an error relating to accounting for stock compensation under its employee stock purchase plan that affected prior periods. The cumulative impact of the error was to understate stock-based compensation expenses by \$840,000. The Company also identified errors related to the first quarter of 2011 which had increased the tax provision by \$100,000, decreased software license fee expense by \$32,000 and increased prepaid software license fee amortization by \$48,000. The Company assessed the impact of these errors, including the impact of previously disclosed out-of-period adjustments, on its prior period financial statements and concluded that these errors were not material, individually or in the aggregate, to any of those financial statements. Although the effect of these errors was not material to any previously issued financial statements, the cumulative effect of correcting the newly identified errors in the current year would have been material for the fiscal year 2011. Consequently, the Company has revised its prior period financial statements. As part of this revision, the Company also reversed other previously disclosed out-of-period adjustments, which were immaterial, and recorded them instead in the periods in which the errors originated. The Company also corrected the classification of certain amounts in the prior year related to cost of design-to-silicon-yield solutions, research and development and selling, general and administrative and corrected the classification of the short-term portion of deferred rent balance that was previously recorded in other non-current liabilities, none of which affected reported net income (loss) for any periods previously reported. These revisions have no net impact on the Company's net cash amounts provided by (used in) operating, financing or investing activities for the any of the periods previously reported.

The financial statements as of June 30, 2010, and for the three and six-month periods then ended and as of December 31, 2010, included herein have been prepared in light of the revisions above. The financial statements for all other periods affected by the revisions can continue to be relied upon, and will be revised to reflect the revisions discussed above, the next time such financial statements are included in future reports for comparative purposes.

The following tables show the financial statement effect of the revisions for all periods affected:

	Three Months Ended	Year Ended	Three Months Ended				Year Ended
	March 31, 2011	December 31, 2010	December 31, 2010	September 30, 2010	June 30, 2010	March 31, 2010	December 31, 2009
(In thousands, except per share amount)							
<b>As previously reported:</b>							
<b>Consolidated Statements of Operations:</b>							
Revenues:							
Design-to-silicon-yield solutions	\$ 10,567	\$ 43,080	\$ 11,352	\$ 10,498	\$ 10,814	\$ 10,417	\$ 32,662
Gainshare performance incentives	4,450	18,570	4,866	4,330	4,538	4,835	15,776
Total revenues	15,017	61,650	16,218	14,828	15,352	15,252	48,438
Cost of design-to-silicon-yield solutions:							
Direct costs of design-to-silicon-yield solutions	\$ 5,793	\$ 24,389	\$ 6,348	\$ 5,790	\$ 5,928	\$ 6,322	\$ 22,779
Amortization and impairment of acquired technology	156	1,285	207	360	360	359	1,439
Total cost of design-to-silicon-yield solutions	5,949	25,674	6,555	6,150	6,288	6,681	24,218
Gross profit	9,068	35,976	9,663	8,678	9,064	8,571	24,220
Operating expenses:							
Research and development	4,349	17,187	4,599	4,291	4,335	3,962	19,773
Selling, general and administrative	4,745	15,989	3,689	3,228	4,492	4,579	16,561
Amortization of other acquired intangible assets	51	295	57	70	82	86	349
Restructuring charges	(11)	885	543	375	(33)	1	4,512
Total operating expenses	9,134	34,356	8,888	7,964	8,876	8,628	41,195
Income (loss) from operations	(66)	1,620	775	714	188	(57)	(16,975)
Interest and other income, net	(359)	—	(30)	(636)	404	262	237
Income (loss) before taxes	(425)	1,620	745	78	592	205	(16,738)
Income tax provision	152	1,393	589	28	275	501	753
Net income (loss)	\$ (577)	\$ 227	\$ 156	\$ 50	\$ 317	\$ (296)	\$ (17,491)
Net income (loss) per share:							
Basic	\$ (0.02)	\$ 0.01	\$ 0.01	\$ 0.00	\$ 0.01	\$ (0.01)	\$ (0.66)
Diluted	\$ (0.02)	\$ 0.01	\$ 0.01	\$ 0.00	\$ 0.01	\$ (0.01)	\$ (0.66)
Weighted average common shares:							
Basic	27,810	27,257	27,566	27,413	27,118	26,929	26,377
Diluted	27,810	27,471	27,767	27,581	27,357	26,929	26,377

Consolidated Balance Sheets:	March 31, 2011	December 31, 2010	September 30, 2010	June 30, 2010	March 31, 2010	December 31, 2009
	(In thousands)					
Prepaid expenses and other assets	\$ 3,967	\$ 3,246	\$ 3,665	\$ 2,826	\$ 3,438	\$ 3,029
Accrued compensation and related benefits	3,927	3,964	3,722	3,704	3,565	4,438
Accrued and other current liabilities	2,849	2,400	2,306	2,575	2,946	3,502
Other non-current liabilities	1,406	1,495	1,436	1,547	1,636	1,704
Long-term income tax payable	3,262	3,668	2,948	3,181	3,035	3,218
Additional paid-in-capital	201,865	200,144	198,943	197,517	195,996	194,081
Accumulated deficit	(130,461)	(129,884)	(130,040)	(130,090)	(130,407)	(130,111)
Accumulated other comprehensive income (loss)	339	(51)	464	(148)	334	628

	Three Months Ended March 31, 2011	Year Ended December, 31 2010	Three Months Ended				Year Ended December 31, 2009
			December 31, 2010	September 30, 2010	June 30, 2010	March 31, 2010	

(In thousands, except per share amount)

**Revisions:**

**Consolidated Statements of Operations:**

Total cost of design-to-silicon-yield solutions (1)(2)(8)	\$ 645	\$ 2,510	\$ 656	\$ 637	\$ 559	\$ 658	\$ 2,308
Operating expenses:							
Research and development(1)(8)	(637)	(2,232)	(602)	(592)	(471)	(567)	(1,867)
Selling, general and administrative(1)(3)(8)	94	13	(209)	161	(110)	171	(10)
Restructuring charges(4)	—	—	72	(72)	—	—	—
Total operating expenses	(543)	(2,219)	(739)	(503)	(581)	(396)	(1,877)
Income (loss) from operations	(102)	(291)	83	(134)	22	(262)	(431)
Interest and other income (expenses),net(5)	(20)	20	20	—	—	—	—
Income (loss) before taxes	(122)	(271)	103	(134)	22	(262)	(431)
Income tax provision (benefit)(6)	(100)	(67)	(67)	—	—	—	67
Net income (loss)(1)(2)(3)(4)(5)(6)	\$ (22)	\$ (204)	\$ 170	\$ (134)	\$ 22	\$ (262)	\$ (498)

	March 31, 2011	December 31, 2010	September 30, 2010	June 30, 2010	March 31, 2010	December 31, 2009
--	-------------------	-------------------------	--------------------------	------------------	-------------------	-------------------------

(In thousands)

**Consolidated Balance Sheets:**

Prepaid expenses and other current assets(2)(6)	\$ 48	\$ —	\$ (67)	\$ (67)	\$ (26)	\$ 16
Accrued compensation and related benefits(3)	—	—	76	60	45	30
Accrued and other current liabilities(2)(3)(4)(9)	276	236	157	221	209	42
Other non-current liabilities(9)	(244)	(236)	(229)	(221)	(209)	(197)
Long-term income tax payable(7)	—	—	475	304	236	256
Additional paid-in-capital(1)	840	722	801	611	689	639
Accumulated deficit(1)(2)(3)(4)(5)(6)	(724)	(702)	(872)	(738)	(760)	(498)
Accumulated other comprehensive income (loss)(6)(7)	(100)	(20)	(475)	(304)	(236)	(256)

- (1) In the second quarter of 2011, the Company identified an error related to prior period expense for stock-based compensation for the Employee Stock Purchase Plan. The effect of the error is to increase compensation expense by \$12,000, \$201,000, \$40,000, \$44,000, \$55,000, \$50,000 and \$639,000 for the first quarter of 2011, full fiscal year of 2010, fourth quarter of 2010, third quarter of 2010, second quarter of 2010, first quarter of 2010 and full fiscal year of 2009, respectively. In addition, in the first quarter of 2011, the Company recorded an out-of-period adjustment to reduce stock-based compensation expense of \$106,000 that should have been recorded as \$133,000 decrease in expense for the second quarter of 2010, \$146,000 increase in expense for the third quarter of 2010 and \$119,000 decrease in expense for the fourth quarter in 2010. The effect of correcting these errors is as follows:

	Three Months Ended March 31, 2011	Year Ended December, 31 2010	Three Months Ended				Year Ended December 31, 2009
			December 31, 2010	September 30, 2010	June 30, 2010	March 31, 2010	

(In thousands)

Cost of design-to-silicon-yield solutions	\$ 6	\$ 65	\$ 12	\$ 17	\$ 16	\$ 20	\$ 187
Research and development	4	57	20	12	13	12	201
Selling, general and administrative	108	(39)	(111)	161	(107)	18	251
Total	\$ 118	\$ 83	\$ (79)	\$ 190	\$ (78)	\$ 50	\$ 639

- (2) In the first and second quarter of 2010, the Company recorded an increase in software license amortization expense of \$42,000 and \$41,000, respectively. The total amount of \$83,000 should have been recorded as a decrease in expense in the fourth quarter of 2009. The Company also reduced \$48,000 of amortization expense in the first quarter of 2011, resulting in an increase in prepaid expense and other current assets balance. In addition, the Company accrued \$32,000 for software license fee in the first quarter of 2011 resulting in an increase in accrued and other current liabilities.
- (3) In the fourth quarter of 2010, the Company recorded additional sabbatical accrual of \$76,000 that should have been recorded as \$30,000 increase of expense in the fourth quarter of 2009, \$15,000 increase of expense in the first quarter of 2010, \$15,000 increase of expense in the second quarter of 2010 and \$16,000 increase of expense in the third quarter of 2010. In addition, in the first quarter of 2010, the Company reversed an accrual for fringe benefits of \$155,000 which should have been reversed in the prior year.
- (4) In the fourth quarter of 2010, the Company reversed a restructuring accrual for \$72,000 which should have been reversed in the third quarter of 2010.
- (5) In the first quarter of 2011, the Company reduced foreign currency loss of \$20,000 which should have been reduced in the fourth quarter of 2010.

- (6) In the second quarter of 2011, the Company identified an out-of-period error related to an overstatement of the tax provision of \$100,000 for the first quarter of 2011. In the fourth quarter of 2010, the Company recorded an increase to income tax provision of \$67,000 to correct a prepaid expenses and other current assets balance that was related to the fourth quarter of 2009. There are no adjustments to income tax relating to the pre-tax adjustments described in (1) to (5) above.
- (7) In the fourth quarter of 2010, the Company adjusted its liability amount for uncertain tax position related to its foreign subsidiary, which included recording the cumulative out-of-period amount in such quarter. The effect of the error is an increase to long-term income tax payable and a decrease of accumulated other comprehensive income (loss) by \$475,000, \$304,000, \$236,000 and \$256,000 third quarter of 2011, second quarter of 2010, first quarter of 2011 and full fiscal year of 2009, respectively. The adjustment has no impact to the Consolidated Statement of Operations in any of the periods previously reported.

- (8) In the second quarter of 2011, the Company identified a misclassification of certain amounts in the prior periods related to cost of design-to-silicon-yield solutions, research and development and selling, general and administrative. The correction of classification has no impact to the net income (loss) in any of the periods previously reported. The effect of correcting the misclassification is as follows:

	Three Months Ended March 31, 2011	Year Ended December, 31 2010	Three Months Ended				Year Ended December 31, 2009
			December 31, 2010	September 30, 2010	June 30, 2010	March 31, 2010	
							(In thousands)
Cost of design-to-silicon-yield solutions	\$ 655	\$ 2,362	\$ 644	\$ 620	\$ 502	\$ 596	\$ 2,204
Research and development	(641)	(2,289)	(622)	(604)	(484)	(579)	(2,068)
Selling, general and administrative	(14)	(73)	(22)	(16)	(18)	(17)	(136)

- (9) In the second quarter of 2011, the Company identified a misclassification of certain amounts in the prior periods related to deferred rent. The short-term portion of the deferred rent balance that was previously presented as other non-current liabilities should have been presented as accrued and other current liabilities. The reclassification has no impact to the Consolidated Statement of Operations in any of the periods previously reported.

	Three Months Ended March 31, 2011	Year Ended December, 31 2010	Three Months Ended				Year Ended December 31, 2009
			December 31, 2010	September 30, 2010	June 30, 2010	March 31, 2010	
							(In thousands, except per share amount)

As revised:

**Consolidated Statements of Operations:**

Revenues:

Design-to-silicon-yield solutions	\$ 10,567	\$ 43,080	\$ 11,352	\$ 10,498	\$ 10,814	\$ 10,417	\$ 32,662
Gainshare performance incentives	4,450	18,570	4,866	4,330	4,538	4,835	15,776
Total revenues	15,017	61,650	16,218	14,828	15,352	15,252	48,438

Cost of design-to-silicon-yield solutions:

Direct costs of design-to-silicon-yield solutions	\$ 6,438	26,900	7,004	6,427	6,487	6,980	25,087
Amortization and impairment of acquired technology	156	1,285	207	360	360	359	1,439
Total cost of design-to-silicon-yield solutions	6,594	28,185	7,211	6,787	6,847	7,339	26,526

Gross profit	8,423	33,465	9,007	8,041	8,505	7,913	21,912
--------------	-------	--------	-------	-------	-------	-------	--------

Operating expenses:

Research and development	3,712	14,954	3,997	3,699	3,865	3,394	17,906
Selling, general and administrative	4,839	16,002	3,480	3,389	4,381	4,751	16,551
Amortization of other acquired intangible assets	51	295	57	70	82	86	349
Restructuring charges	(11)	885	615	303	(33)	1	4,512
Total operating expenses	8,592	32,136	8,149	7,461	8,295	8,232	39,318

Income (loss) from operations	(168)	1,329	858	580	210	(319)	(17,406)
-------------------------------	-------	-------	-----	-----	-----	-------	----------

Interest and other income, net	(379)	20	(10)	(636)	404	262	237
--------------------------------	-------	----	------	-------	-----	-----	-----

Income (loss) before taxes	(547)	1,349	848	(56)	614	(57)	(17,169)
----------------------------	-------	-------	-----	------	-----	------	----------

Income tax provision	52	1,326	522	28	275	501	820
----------------------	----	-------	-----	----	-----	-----	-----

Net income (loss)	\$ (599)	\$ 23	\$ 326	\$ (84)	\$ 339	\$ (558)	\$ (17,989)
-------------------	----------	-------	--------	---------	--------	----------	-------------

Net income (loss) per share:

Basic	\$ (0.02)	\$ 0.00	\$ 0.01	\$ 0.00	\$ 0.01	\$ (0.02)	\$ (0.67)
Diluted	\$ (0.02)	\$ 0.00	\$ 0.01	\$ 0.00	\$ 0.01	\$ (0.02)	\$ (0.67)

Weighted average common shares:

Basic	27,810	27,257	27,566	27,413	27,118	26,929	26,377
Diluted	27,810	27,471	27,767	27,413	27,357	26,929	26,377

	March 31, 2011	December 31, 2010	September 30, 2010	June 30, 2010	March 31, 2010	December 31, 2009
						(In thousands)

**Consolidated Balance Sheets:**

Prepaid expenses and other current assets	\$ 4,015	\$ 3,246	\$ 3,598	\$ 2,759	\$ 3,412	\$ 3,045
Accrued compensation and related benefits	3,927	3,964	3,798	3,764	3,610	4,468

Accrued and other current liabilities	3,125	2,636	2,463	2,796	3,155	3,544
Other non-current liabilities	1,162	1,259	1,207	1,326	1,427	1,507
Long-term income tax payable	3,262	3,668	3,423	3,485	3,271	3,474
Additional paid-in-capital	202,705	200,866	199,744	198,128	196,685	194,720
Accumulated deficit	(131,185)	(130,586)	(130,912)	(130,828)	(131,167)	(130,609)
Accumulated other comprehensive income (loss)	239	(71)	(11)	(452)	98	372

### 3. RECENT ACCOUNTING PRONOUNCEMENTS

In June 2011, the Financial Accounting Standards Board (“FASB”) amended its guidance on the presentation of Comprehensive Income. Under the amendments, an entity has the option to present the total of comprehensive income, the components of net income, and the components of other comprehensive income either in a single continuous statement of comprehensive income or in two separate but consecutive statements. In both choices, an entity is required to present each component of net income along with total net income, each component of other comprehensive income along with a total for other comprehensive income, and a total amount for comprehensive income. The amendments eliminate the option to present the components of other comprehensive income as part of the statement of changes in stockholders' equity. The amendments do not change the items that must be reported in other comprehensive income or when an item of other comprehensive income must be reclassified to net income. The amendments are effective for fiscal years, and interim periods within those years, beginning after December 15, 2011 with early adoption permitted. The amendments do not require any transition disclosures. The guidance is effective for the Company’s fiscal year 2012. The adoption of this standard is not expected to have a material impact on the Company’s financial position or results of operations.

In April 2010, the Financial Accounting Standards Board (“FASB”) amended its guidance on share-based payment awards with an exercise price denominated in the currency of a market in which the underlying equity security trades. The amendment clarifies that an employee share-based payment award with an exercise price denominated in the currency of a market in which a substantial portion of the entity’s equity securities trades shall not be considered to contain a condition that is not a market performance, or service condition. Therefore, an entity would not classify such an award as a liability if it is otherwise qualifies as equity. This amendment is effective for fiscal years and interim periods within those fiscal years beginning on or after December 15, 2010. The guidance is effective for the Company’s interim period commencing January 1, 2011. The adoption of this guidance did not have a material impact on the Company’s financial position or results of operations.

In January 2010, the FASB amended its guidance on fair value measurements. This guidance requires a reporting entity to disclose separately the amounts of significant transfers in and out of Level 1 and Level 2 fair value measurements and describe the reasons for the transfers. This guidance also requires disclosure of activity in Level 3 fair value measurements. The new disclosures and clarifications of the existing disclosures are effective for interim and annual reporting periods beginning after December 15, 2009, except for the disclosures about purchases, sales, issuances and settlements in the roll forward activity in Level 3 fair value measurements. Those disclosures are effective for fiscal year beginning after December 15, 2010, and the interim periods within those fiscal years. The Company adopted the guidance related to Level 1 and Level 2 fair value measurements on January 1, 2010. The guidance for Level 3 fair value measurements and disclosures is effective for the Company’s interim period commencing January 1, 2011. The adoption of this standard did not have a material impact on the Company’s financial position or results of operations.

### 4. INVESTMENTS

The following table summarizes the Company’s investments at both June 30, 2011 and December 31, 2010 (in thousands):

	<b>Amortized Cost</b>	<b>Unrealized Holding Gains</b>	<b>Unrealized Holding Losses</b>	<b>Fair Value</b>
Auction-rate securities	<u>\$ 1,000</u>	<u>\$ —</u>	<u>\$ (282)</u>	<u>\$ 718</u>

As of June 30, 2011 and December 31, 2010, the Company’s investments consisted entirely of auction-rate securities. Please refer to Note 13 “Fair Value” for further discussion of auction-rate securities.

### 5. ACCOUNTS RECEIVABLE

Accounts receivable include amounts that are unbilled at the end of the period. Unbilled accounts receivable are determined on an individual contract basis and were approximately \$7.0 million and \$6.0 million as of June 30, 2011 and December 31, 2010, respectively.

### 6. INTANGIBLE ASSETS

Intangible assets are amortized over their useful lives unless these lives are determined to be indefinite. During the three months ended June 30, 2011, there were no indicators of impairment related to the Company’s intangible assets.

The following table provides information relating to the intangible assets as of June 30, 2011 and December 31, 2010 (in thousands):

<b>Acquired Identifiable Intangible</b>	<b>Amortization Period (Years)</b>	<b>June 30, 2011 Gross Carrying Amount</b>	<b>Accumulated Amortization</b>	<b>June 30, 2011 Net Carrying Amount</b>
Acquired technology	4-5	\$ 11,800	\$ (11,226)	\$ 574
Brand name	4	510	(510)	—
Customer relationships and backlog	1-6	3,420	(3,255)	165
Patents and applications	7	1,400	(1,185)	215
Other acquired intangibles	4	255	(255)	—
Total		<u>\$ 17,385</u>	<u>\$ (16,431)</u>	<u>\$ 954</u>

  

<b>Acquired Identifiable Intangible</b>	<b>Amortization Period (Years)</b>	<b>December 31, 2010 Gross Carrying Amount</b>	<b>Accumulated Amortization</b>	<b>December 31, 2010 Net Carrying Amount</b>
Acquired technology	4-5	\$ 11,800	\$ (10,915)	\$ 885
Brand name	4	510	(510)	—
Customer relationships and backlog	1-6	3,420	(3,188)	232
Patents and applications	7	1,400	(1,148)	252
Other acquired intangibles	4	255	(255)	—
Total		<u>\$ 17,385</u>	<u>\$ (16,016)</u>	<u>\$ 1,369</u>

For the three months ended June 30, 2011 and 2010, intangible asset amortization expense was \$207,000 and \$442,000, respectively. For the six months ended June 30, 2011 and 2010, intangible asset amortization expense was \$414,000 and \$887,000, respectively.

The Company expects the annual amortization of intangible assets to be as follows (in thousands):

<b>Year Ending December 31,</b>	<b>Amount</b>
2011 (remaining six-month period)	\$ 415
2012	435
2013	74
2014	30
Total	<u>\$ 954</u>

## 7. STOCKHOLDERS' EQUITY

Stock-based compensation is estimated at the grant date based on the award's fair value and is recognized on a straight-line basis over the vesting periods of the applicable stock purchase rights and stock options, generally four years. Stock-based compensation expenses before taxes related to the Company's employee stock purchase plan and stock-option plans were allocated as follows (in thousands):

	<b>Three Months Ended June 30,</b>		<b>Six Months Ended June 30,</b>	
	<b>2011</b>	<b>2010</b>	<b>2011</b>	<b>2010</b>
Cost of design-to-silicon yield-solutions	\$ 522	\$ 455	\$ 990	\$ 1,077
Research and development	337	362	680	721
Selling, general and administrative	614	575	924	1,149
Stock-based compensation expenses	<u>\$ 1,473</u>	<u>\$ 1,392</u>	<u>\$ 2,594</u>	<u>\$ 2,947</u>

The Company estimated the fair value of share-based awards granted during the period using the Black-Scholes-Merton option-pricing model with the following weighted average assumptions, resulting in the following weighted average fair values:

*Stock Plans:*

	<b>Three Months Ended June 30,</b>		<b>Six Months Ended June 30,</b>	
	<b>2011</b>	<b>2010</b>	<b>2011</b>	<b>2010</b>
Expected life (in years)	4.97	5.24	4.94	5.24
Volatility	60.8%	61.9%	61.0%	62.4%
Risk-free interest rate	1.64%	1.95%	1.66%	2.10%
Expected dividend	—	—	—	—
Weighted average fair value per share of options granted during the period	\$ 3.21	\$ 2.52	\$ 3.17	\$ 2.35



Employee Stock Purchase Plan:

	Three Months Ended June 30,		Six Months Ended June 30,	
	2011	2010	2011	2010
Expected life (in years)	1.25	1.25	1.25	1.25
Volatility	54.3%	65.6%	64.1%	69.8%
Risk-free interest rate	0.44%	0.49%	0.51%	0.54%
Expected dividend	—	—	—	—
Weighted average fair value per share of employee stock issued during the period	\$ 1.83	\$ 1.71	\$ 1.41	\$ 1.52

On June 30, 2011, the Company has in effect the following stock-based compensation plans:

*Stock Plans* — In 2001, the Company terminated the 1996 and 1997 Stock Plans with respect to future option grants, and adopted the 2001 Stock Plan. Under the 2001 Stock Plan, on January 1 of each year starting with year 2002, the number of shares in the reserve will increase by the lesser of (1) 3,000,000 shares, (2) 5% of the outstanding common stock on the last day of the immediately preceding year, or (3) the number of shares determined by the board of directors. Under the 2001 Stock Plan, the Company may grant stock purchase rights and stock options to purchase shares of common stock to employees, directors and consultants. The exercise price for stock options must generally be at prices not less than the fair market value at the date of grant for incentive stock options. Stock options generally expire ten years from the date of grant and become vested and exercisable ratably over a four-year period. The 2001 Stock Plan expired on June 12, 2011.

Stock option activity under the Company's plans during the six months ended June 30, 2011 was as follows:

	Number of Options (in thousands)	Weighted Average Exercise Price per Share	Weighted Average Remaining Contractual Term (years)	Aggregate Intrinsic Value (in thousands)
Outstanding, January 1, 2011	3,453	\$ 5.60		
Granted	974	6.09		
Exercised	(116)	3.60		
Canceled	(161)	4.33		
Expired	(32)	9.20		
Outstanding, June 30, 2011	4,118	5.79	7.48	\$ 4,278
Vested and expected to vest, June 30, 2011	3,832	5.82	6.72	\$ 4,056
Exercisable, June 30, 2011	2,085	6.57	4.84	\$ 2,062

The aggregate intrinsic value in the table above represents the total intrinsic value based on the Company's closing stock price of \$5.96 per share as of June 30, 2011, which would have been received by the option holders had all "in-the-money" option holders exercised their options as of that date. The total intrinsic value of options exercised during the six months ended June 30, 2011 was \$344,000.

As of June 30, 2011, there was \$4.6 million of total unrecognized compensation cost related to nonvested stock options. That cost is expected to be recognized over a weighted average period of 3.1 years. The total fair value of shares vested during the three months and six months ended June 30, 2011 was \$547,000 and \$1.0 million, respectively.

Nonvested restricted stock units activity during the six months ended June 30, 2011 was as follows:

	Shares (in thousands)	Weighted Average Grant Date Fair Value Per Share
Nonvested, January 1, 2011	453	\$ 7.29
Granted	288	6.18
Vested	(201)	6.23
Forfeited	(11)	6.46
Nonvested, June 30, 2011	529	7.09

As of June 30, 2011, there was \$2.8 million of total unrecognized compensation cost related to nonvested restricted stock units. That cost is expected to be recognized over a weighted average period of 2.4 years. The total compensation expense related to shares vested during the six months ended June 30, 2011 was \$1.1 million.

*Employee Stock Purchase Plan* — In July 2001, the Company adopted an Employee Stock Purchase Plan ("Purchase Plan") under which eligible employees can contribute up to 10% of their compensation, as defined in the Purchase Plan, towards the purchase of shares of PDF common stock. The Purchase Plan has look-back feature that allows the employees to purchase shares of common stock at a price of 85% of the lower of the fair market value at the beginning of the offering period or the end of the purchase period. The Purchase Plan consists of twenty-four-month offering periods with four six-month purchase periods in each offering period. Under the Purchase Plan, on January 1 of each year, starting with 2002, the number of shares reserved for issuance

will automatically increase by the lesser of (1) 675,000 shares, (2) 2% of the Company's outstanding common stock on the last day of the immediately preceding year, or (3) the number of shares determined by the board of directors. At the annual meeting of stockholders on May 18, 2010, the Company's stockholders approved an amendment to the Purchase Plan to extend it through May 17, 2020. For the six months ended June 30, 2011, the Purchase Plan compensation expense was \$207,000.

*Stock Repurchase Program* — On October 29, 2007, the Board of Directors approved a program to repurchase up to \$10.0 million of the Company's common stock on the open market. The right to repurchase stock under this program expired on October 29, 2010. On October 19, 2010, the Board of Directors authorized an extension of, and an increase in, the stock repurchase program. Pursuant to such action taken by the Board of Directors, the stock repurchase program has been extended for two more years to October 29, 2012 and the aggregate amount available to repurchase has been reset to \$10.0 million of the Company's common stock. As of June 30, 2011, 2.9 million shares had been repurchased at the average price of \$3.66 per share under this program and \$8.6 million remained available for future repurchases. These repurchased shares were recorded as treasury stock and were accounted for under cost method. No repurchase shares have been retired or reissued.

## 8. RESTRUCTURING

On October 28, 2008, the Company announced a restructuring plan to better allocate its resources to improve its operational results in light of current market conditions.

Under this plan, the Company recorded restructuring charges of \$7.5 million, primarily consisting of employee severance costs of \$4.8 million and facility exit costs of \$2.5 million. The facility exit cost consists primarily of the cost of future obligations related to the San Jose and San Diego locations. Discounted liabilities for future lease costs and the fair value of the related subleases of closed locations that are recorded is subject to adjustments as liabilities are settled. In assessing the discounted liabilities for future costs of obligations related to the locations, the Company made assumptions regarding the amounts of future subleases. If these assumptions or their related estimates change in the future, the Company may be required to record additional exit costs or reduce exit costs previously recorded. Exit costs recorded for each period presented include the effect of such changes in estimates. The following table summarizes the activities of these restructuring liabilities (in thousands):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2011	2010	2011	2010
Beginning balance	\$ 1,219	\$ 1,407	\$ 1,379	\$ 1,619
Restructuring charges (credits)	(122)	(33)	(133)	(32)
Adjustments	7	—	17	—
Cash payments	(161)	(228)	(320)	(441)
Ending balance	<u>\$ 943</u>	<u>\$ 1,146</u>	<u>\$ 943</u>	<u>\$ 1,146</u>

The balance as of June 30, 2011 consists of \$0.8 million of facility exit costs and \$0.1 million of severance costs. The balance as of December 31, 2011 consists of \$1.3 million of facility exit costs and \$0.1 million of severance costs.

As of June 30, 2011, of the remaining accrual of \$943,000, \$533,000 was included in accrued liabilities and other current liabilities and \$410,000 was included in other non-current liabilities. As of December 31, 2011, of the remaining accrual of \$1.4 million, \$0.8 was included in accrued liabilities and other current liabilities and \$0.6 million was included in other non-current liabilities. Accrued facility exit expenses will be paid in accordance with the lease payment schedule through 2013.

## 9. INCOME TAXES

The Company accounts for temporary differences between the book and tax basis of assets and liabilities by recording deferred tax assets and liabilities. The Company must assess the likelihood that its deferred tax assets will be recovered from future taxable income and, to the extent the Company believes that recovery is not likely, the Company must establish a valuation allowance. Changes in the Company's net deferred tax assets and valuation allowance in a period are recorded through the income tax provision in the condensed consolidated statements of operations.

The Company classifies its liabilities related to unrecognized tax benefits as long-term. The Company includes interest and penalties related to unrecognized tax benefits within the Company's income tax provision. As of June 30, 2011 and December 31, 2010, the Company had accrued for payment of interest and penalties related to unrecognized tax benefits of \$437,000 and \$461,000, respectively.

Income tax expense increased \$154,000 for the six months ended June 30, 2011 to \$930,000 as compared to an income tax expense of \$776,000 for the six months ended June 30, 2010. The income tax expense for both the six months ended June 30, 2011 and the six months ended June 30, 2010 primarily consisted of foreign withholding taxes and changes in unrecognized tax benefits.

The Company's total amount of unrecognized tax benefits as of June 30, 2011 was \$9.7 million, including interest and penalties, of which \$3.0 million, if recognized, would affect the Company's effective tax rate. The Company's total amount of unrecognized tax benefits as of December 31, 2010 was \$9.4 million, of which \$2.7 million, if recognized, would affect the Company's effective tax rate. As of June 30, 2011, the Company has recognized a net amount of \$3.4 million as long-term taxes payable for unrecognized tax benefits in its condensed consolidated balance sheet. The Company does not believe that it is reasonably possible that the change in unrecognized tax benefits over the next twelve months will materially impact its results of operations and financial position.

The Company conducts business globally and, as a result, files numerous consolidated and separate income tax returns in the U.S. federal, various state and foreign jurisdictions. Because the Company used some of the tax attributes carried forward from previous years to tax years that are still open, statutes of limitation remain open for all tax years to the extent of the attributes carried forward into tax year 2002 for federal and California tax purposes.

The Company is not currently subject to income tax examinations by any taxing authorities in the United States. The Company's California income tax examinations for 2006 and 2007 was closed during the three months ended March 31, 2011 with no adjustments. The Company is currently subject to income tax examinations in France for 2009. The Company is not subject to income tax examinations in any other of its major foreign subsidiaries' jurisdictions.

#### 10. NET INCOME (LOSS) PER SHARE

Basic net income (loss) per share is computed by dividing net income (loss) by weighted average number of common shares outstanding for the period (excluding outstanding stock options and shares subject to repurchase). Diluted net loss per share is computed using the weighted-average number of common shares outstanding for the period plus the potential effect of dilutive securities which are convertible into common shares (using the treasury stock method), except in cases in which the effect would be anti-dilutive. There are no dilutive shares included during the three and six months ended June 30, 2011 and the six months ended June 30, 2010 due to the net loss for the period. Under the treasury stock method, the amount that the employee must pay for exercising stock options, the amount of compensation cost for future service that the Company has not yet recognized, and the amount of the tax benefits that would be recorded in additional paid-in capital when the award becomes deductible are assumed to be used to repurchase shares. The following is a reconciliation of the numerators and denominators used in computing basic and diluted net loss per share (in thousands except per share amount):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2011	2010	2011	2010
Net income (loss)	\$ (57)	\$ 339	\$ (656)	\$ (219)
Weighted average common shares outstanding — basic	28,110	27,118	27,960	27,024
Dilutive effect of equity incentive plans	—	239	—	—
Weighted average common shares outstanding — diluted	28,110	27,357	27,960	27,024
Net income (loss) per share:				
Basic	\$ 0.00	\$ 0.01	\$ (0.02)	\$ (0.01)
Diluted	\$ 0.00	\$ 0.01	\$ (0.02)	\$ (0.01)

The following table sets forth potential shares of common stock that are not included in the diluted net loss per share calculation above because to do so would be anti-dilutive for the periods indicated (in thousands):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2011	2010	2011	2010
Outstanding options	1,948	3,742	1,520	3,695
Nonvested restricted stock units	315	346	202	364
Employee Stock Purchase Plan	64	—	32	—
Total	2,327	4,088	1,754	4,059

## 11. COMPREHENSIVE LOSS

The components of comprehensive loss are as follows (in thousands):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2011	2010	2011	2010
Net income (loss)	\$ (57)	\$ 339	\$ (656)	\$ (219)
Foreign currency translation adjustments, net of income tax effects	51	(482)	362	(777)
Comprehensive loss	\$ (6)	\$ (143)	\$ (294)	\$ (996)

## 12. CUSTOMER AND GEOGRAPHIC INFORMATION

Operating segments are defined as components of an enterprise about which separate financial information is available that is evaluated regularly by the chief operating decision maker, or group, in deciding how to allocate resources and in assessing performance.

The Company's chief operating decision maker, the Chief Executive Officer, reviews discrete financial information presented on a consolidated basis for purposes of making operating decisions and assessing financial performance. Accordingly the Company considers itself to be in one operating segment, specifically the licensing and implementation of yield improvement solutions for integrated circuit manufacturers.

The Company had revenues from individual customers in excess of 10% of total revenues as follows:

Customer	Three Months Ended June 30,		Six Months Ended June 30,	
	2011	2010	2011	2010
A	23%	31%	22%	23%
B	18%	13%	18%	12%
C	15%	10%	16%	10%
D	*%	15%	10%	17%

\* represents less than 10%

The Company had gross accounts receivable from the following individual customers in excess of 10% of gross accounts receivable as follows:

Customer	June 30, 2011	December 31, 2010
A	21%	16%
B	24%	13%
C	14%	10%
D	11%	14%
E	*%	11%
F	*%	11%

\* represents less than 10%

Revenues from customers by geographic area based on the location of the contracting party are as follows (in thousands):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2011	2010	2011	2010
Asia	\$ 8,260	\$ 11,273	\$ 15,818	\$ 21,570
United States	4,051	2,602	7,088	5,983
Europe	4,849	1,477	9,271	3,051
Total	\$ 17,160	\$ 15,352	\$ 32,177	\$ 30,604

Property and equipment, net by geographic area are as follows (in thousands):

	<u>June 30, 2011</u>	<u>December 31, 2010</u>
United States	\$ 615	\$ 566
Europe	100	121
Asia	105	110
Total	<u>\$ 820</u>	<u>\$ 797</u>

### 13. FAIR VALUE

Fair value is the exit price, or the amount that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants as of the measurement date. The multiple assumptions used to value financial instruments are referred to as inputs, and a hierarchy for inputs used in measuring fair value is established, that maximizes the use of observable inputs and minimizes the use of unobservable inputs by requiring that the most observable inputs be used when available. Observable inputs reflect assumptions market participants would use in pricing an asset or liability based on market data obtained from independent sources while unobservable inputs reflect a reporting entity's pricing based upon its own market assumptions. These inputs are ranked according to a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value into three broad levels.

Level 1 — Inputs are quoted prices in active markets for identical assets or liabilities.

Level 2 — Inputs are quoted prices for similar assets or liabilities in an active market, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable and market-corroborated inputs which are derived principally from or corroborated by observable market data.

Level 3 — Inputs are derived from valuation techniques in which one or more significant inputs or value drivers are unobservable.

The following table represents the Company's assets measured at fair value on a recurring basis as of June 30, 2011 and the basis for that measurement (in thousands):

<u>Assets</u>	<u>Total</u>	<u>Quoted Prices in Active Markets for Identical Assets (Level 1)</u>	<u>Significant Other Observable Inputs (Level 2)</u>	<u>Significant Unobservable Inputs (Level 3)</u>
Money market mutual funds	\$ 25,326	\$ 25,326	\$ —	\$ —
Auction-rate securities	718	—	—	718
Total	<u>\$ 26,044</u>	<u>\$ 25,326</u>	<u>\$ —</u>	<u>\$ 718</u>

The following table represents the Company's assets measured at fair value on a recurring basis as of December 31, 2010 and the basis for that measurement (in thousands):

<u>Assets</u>	<u>Total</u>	<u>Quoted Prices in Active Markets for Identical Assets (Level 1)</u>	<u>Significant Other Observable Inputs (Level 2)</u>	<u>Significant Unobservable Inputs (Level 3)</u>
Money market mutual funds	\$ 25,304	\$ 25,304	\$ —	\$ —
Auction-rate securities	718	—	—	718
Total	<u>\$ 26,022</u>	<u>\$ 25,304</u>	<u>\$ —</u>	<u>\$ 718</u>

The Company holds investments in auction-rate securities ("ARS"), which are variable rate debt instruments whose interest rates are reset through a "Dutch" auction process at regular intervals, typically every 28 days. All ARS are backed by pools of student loans guaranteed by governmental agencies and private entities, and were rated AAA/Aaa at the date of acquisition. The liquidity and fair value of these securities has been reduced by the uncertainty in the credit markets and the exposure of these securities to the financial condition of bond insurance companies, as evidenced by the rating downgrade of MBIA (bond insurer on one of the Company's ARS) from Aaa to A2, by Moody's Investor Services on June 19, 2008. All ARS have failed to sell at auction since February 2008, and as a result, their interest rates were reset to the maximum LIBOR + 150 basis points. The only activity associated with these instruments since February 2008 was the repurchase of \$500,000 of ARS at par by issuers. As a result of these auction failures, there was limited active market with observable prices for these securities. Therefore, the Company computed the fair value of these securities based on a discounted cash flow model, using significant level 3 inputs, to take into account the lack of liquidity. The cumulative impairment for these securities as of June 30, 2011 and December 31, 2010 was \$282,000, which is included in other comprehensive income. No gain or loss was recorded during the three and six months ended June 30, 2011. The Company does not believe that the student loans backing these securities, the principal of these assets, is at risk. Furthermore, the Company intends to hold these securities until the credit markets recover and these securities resume pricing at or near par and it is not more likely than not that the Company will be required to sell the securities before recovery of the principal. As a result, the Company recorded a temporary impairment to other comprehensive income and classified these securities as non-current investments. The valuation may be revised in future periods as market conditions evolve.

There was no change in the beginning and ending balance of assets measured at fair value on recurring basis using significant observable inputs (Level 3) during the six months ended June 30, 2011.

#### **14. COMMITMENTS AND CONTINGENCIES**

Note 6, "Commitments and Contingencies," on page 47 of our Annual Report on Form 10-K for the year ended December 31, 2010, and Note 13, "Commitments and Contingencies" on page 14 of our Quarterly Report on Form 10-Q for the quarter ended March 31, 2011, provide information on certain legal proceedings and claims in which we are involved. There have been no subsequent material developments to these matters or that information.

#### **Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations**

##### **Forward-Looking Statements**

The following discussion of our financial condition and results of operations contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. In some cases, you can identify forward-looking statements by terminology such as "may," "could," "should," "expect," "plan," "anticipate," "believe," "estimate," "predict," "potential", "target" or "continue," the negative effect of terms like these or other similar expressions. Any statement concerning future financial performance (including future revenues, earnings or growth rates), ongoing business strategies or prospects, and possible actions taken by us or our subsidiaries, which may be provided by us are also forward-looking statements. These forward-looking statements are only predictions. Forward-looking statements are based on current expectations and projections about future events and are inherently subject to a variety of risks and uncertainties, many of which are beyond our control, which could cause actual results to differ materially from those anticipated or projected. All forward-looking statements included in this document are based on information available to us on the date of filing and we further caution investors that our business and financial performance are subject to substantial risks and uncertainties. We assume no obligation to update any such forward-looking statements. In evaluating these statements, you should specifically consider various factors, including the risk factors set forth at the end of Item 1A in our Annual Report on Form 10-K for the year ended December 31, 2010 filed with the Securities and Exchange Commission on March 23, 2011.

##### **Overview**

We analyze our customers' IC design and manufacturing processes to identify, quantify, and correct the issues that cause yield loss to improve our customers' profitability by improving time-to-market, increasing yield and reducing total design and manufacturing costs. We package our solutions in various ways to meet our customers' specific business and budgetary needs, each of which provides us various revenue streams. We receive a mix of fixed fees and variable, performance-based fees for the vast majority of our yield improvement solutions. The fixed fees are typically reflective of the length of time and the resources needed to characterize a customer's manufacturing process and receive preliminary results of proposed yield improvement suggestions. The variable fee, or what we call gainshare, usually depends on our achieving certain yield targets by a deadline. Variable fees are currently typically tied to wafer volume on the node size of the manufacturing facility where we performed the yield improvement solutions. We receive license fees and service fees for related installation, integration, training, and maintenance and support services for our software that we license on a stand-alone basis.

##### ***Industry Trend***

Despite the general economic turmoil beginning in 2008 and continuing through 2009, the semiconductor market rebounded in 2010. We believe that logic foundries were running at or near capacity at times during the year, and a supply constraint at advanced nodes developed. With high utilization rates, foundries appeared to increase spending during the year. This trend resulted in an increase in our business and improved results of operations in 2010, which has continued in 2011. Although a trend has not been established so far in 2011, we believe that manufacturing capacity is down slightly from 2010 levels.

Generally, the demand for consumer electronics and communications devices continues to drive technological innovation in the semiconductor industry as the need for products with greater performance, lower power consumption, reduced costs and smaller size continues to grow with each new product generation. In addition, advances in computing systems and mobile devices have fueled demand for higher capacity memory chips. To meet these demands, IC manufacturers and designers are constantly challenged to improve the overall performance of their ICs by designing and manufacturing ICs with more embedded applications to create greater functionality while lowering cost per transistor. As a result, both logic and memory manufacturers have migrated to more and more advanced manufacturing nodes, capable of integrating more devices with higher performance, higher density, and lower power. As this trend continues, companies will continually be challenged to improve process capabilities to optimally produce ICs with minimal random and systematic yield loss, which is driven by the lack of compatibility between the design and its respective manufacturing process. We believe that as volume production of deep submicron ICs continues to grow, the difficulties of integrating IC designs with their respective processes and ramping new manufacturing processes will create a greater need for products and services that address the yield loss and escalating cost issues the semiconductor industry is facing today and will face in the future.

### ***Financial Highlights***

As a part of the Company's remediation process to address material weaknesses in its internal control over financial reporting as reported in its Form 10-K in fiscal year 2010, the Company implemented additional internal control review and procedures. Through such procedures, during the second quarter of fiscal 2011, the Company identified errors that affected prior periods, including primarily relating to its accounting for stock compensation under its employee stock purchase plan. The effect of the errors was not material to any previously issued financial statements; however, the cumulative effect of correcting the errors in the current year would have been material to fiscal year 2011. Therefore, the Company revised its prior period financial statements. As part of this revision, the Company also reversed other previously disclosed out-of-period adjustments, which were immaterial, and recorded them instead in the periods in which the errors originated. See Note 2 of "Notes to Condensed Consolidated Financial Statements (Unaudited)" of this Quarterly Report on Form 10-Q for the nature and amount of errors being corrected, as well as how the errors affected all relevant periods.

Financial highlights for the three months ended June 30, 2011 were as follows:

- Total revenues for the three months ended June 30, 2011 were \$17.2 million, an increase of \$1.8 million, or 12%, compared to \$15.4 million for the three months ended June 30, 2010. Design-to-Silicon-Yield solutions revenues for the three months ended June 30, 2011 were \$13.0 million, an increase of \$2.2 million, or 20%, compared to \$10.8 million for the three months ended June 30, 2010. The increase in Design-to-Silicon-Yield solutions revenues was primarily the result of increased growth in revenue generating activities. Gainshare performance incentives revenues for the three months ended June 30, 2011 were \$4.2 million, a decrease of \$0.3 million, or 8%, compared to \$4.5 million for the three months ended June 30, 2010. The decrease in revenues from Gainshare performance incentives was primarily the result of slower yield improvement and lower wafer volumes at customer manufacturing facilities.
- Net loss for the three months ended June 30, 2011 was \$(57,000), compared to net income of \$339,000 for the three months ended June 30, 2010. The difference in earnings was primarily attributable to foreign currency exchange gains related to Euro to U.S. Dollar currency rate fluctuations in the year-ago period and the amount of withholding taxes related to certain Asian customers more than offsetting the increase in gross profits from revenue growth year-over-year.
- Net loss per basic and diluted share was \$(0.00) for the three months ended June 30, 2011 compared to net income per basic and diluted share of \$0.01 for the three months ended June 30, 2010, a decrease of \$0.01 per basic and diluted share.
- Cash, cash equivalents and non-current investments increased \$3.5 million from \$38.9 million at December 31, 2010 to \$42.4 million at June 30, 2011, primarily due to increase in cash from operating activities during the period.

Financial highlights for the six months ended June 30, 2011 were as follows:

- Total revenues for the six months ended June 30, 2011 was \$32.2 million, an increase of \$1.6 million, or 5%, compared to total revenues of \$30.6 million for the six months ended June 30, 2010. Design-to-Silicon-Yield solutions revenues for the six months ended June 30, 2011 was \$23.6 million, an increase of \$2.4 million, or 11%, compared to \$21.2 million for the six months ended June 30, 2010. The increase in Design-to-Silicon-Yield solutions revenues was primarily the result of increased bookings. Gainshare performance incentives revenues for the six months ended June 30, 2011 was \$8.6 million, a decrease of \$0.8 million, or 8%, compared to gainshare performance incentive revenues of \$9.4 million for the six months ended June 30, 2010. The decrease in gainshare performance incentives was primarily the result of slower yield improvement and lower wafer volumes at customer manufacturing facilities.
- Net loss for the six months ended June 30, 2011 was \$(656,000), compared to \$(219,000) for the six months ended June 30, 2010. The increase in net loss was primarily attributable to foreign currency exchange gains related to Euro to U.S. Dollar currency rate fluctuations in the year-ago period and the amount of withholding taxes related to certain Asian customers more than offsetting the increase in gross profits from revenue growth year-over-year.

- Net loss per basic and diluted share was \$(0.02) for the six months ended June 30, 2011 compared to net loss per basic and diluted share of \$(0.01) for the six months ended June 30, 2010, a decrease of \$0.01 per basic and diluted share.

### **Critical Accounting Policies**

There were no significant changes in our critical accounting policies. Please refer to Management's Discussion and Analysis of Financial Condition and Results of Operations contained in Part II, Item 7 of our Annual Report on Form 10-K for the year ended December 31, 2010. The following is a brief discussion of the more significant accounting policies and methods that we use.

#### ***General***

Our discussion and analysis of our financial condition and results of operations are based on our consolidated financial statements, which have been prepared in conformity with accounting principles generally accepted in the United States of America. Our preparation of these consolidated financial statements requires us to make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the dates of the financial statements and the reported amounts of revenues and expenses during the reporting periods. We based our estimates on historical experience and on various other assumptions that we believe to be reasonable under the circumstances. The most significant estimates and assumptions relate to revenue recognition, recoverability of acquired intangible assets, estimated useful lives of acquired intangibles and the realization of deferred tax assets. Actual amounts may differ from such estimates under different assumptions or conditions.

#### ***Revenue Recognition***

We derive revenues from two sources: Design-to-Silicon-Yield Solutions, which include Services and Software Licenses, and Gainshare Performance Incentives.

*Design-to-Silicon-Yield Solutions* — Revenues that are derived from Design-to-Silicon-Yield solutions comes from services and software licenses. We recognize revenue for each element of Design-to-Silicon-Yield solutions as follows:

*Services* — We generate a significant portion of our Design-to-Silicon-Yield solutions revenues from fixed-price solution implementation service contracts delivered over a specific period of time. These contracts require reliable estimation of costs to perform obligations and the overall scope of each engagement. Revenues under contracts for solution implementation services are recognized as services are performed using the cost-to-cost percentage of completion method of contract accounting. Losses on solution implementation contracts are recognized in the period when they become evident. Revisions in profit estimates are reflected in the period in which the conditions that require the revisions become known and can be estimated. If we do not accurately estimate the resources required or the scope of work to be performed, or do not manage the projects properly within the planned period of time or satisfy our obligations under contracts, resulting contract margins could be materially different than those anticipated when the contracts were executed. Any such reductions in contract margin could have a material negative impact on our operating results.

On occasion, we license our software products as a component of our fixed price service contracts. In such instances, the software products are licensed to customers over a specified term of the agreement with support and maintenance to be provided over the license term.

In October 2009, the Financial Accounting Standards Board ("FASB") amended the accounting standards for multiple-deliverable revenue arrangements to:

- provide updated guidance on whether multiple deliverables exist, how the deliverables in an arrangement should be separated, and how the consideration should be allocated;
- require an entity to allocate revenue in an arrangement using best estimate of selling prices ("BESP") of deliverables if a vendor does not have vendor-specific objective evidence of fair value ("VSOE") or third-party evidence of selling price ("TPE"); and
- eliminate the use of the residual method and require an entity to allocate revenue using the relative selling price method.

We elected to early adopt this accounting standard on April 1, 2010 on a prospective basis for applicable transactions originating or materially modified after January 1, 2010.

The Company's adoption of this guidance did not generally change the accounting for the Company's software transactions. It only affected certain revenue arrangements that included both solution implementation services and software products that are not essential to the provision of these services. The amount of product and service revenue recognized in a given period is affected by our judgment as to whether an arrangement includes multiple deliverables and, if so, our determination of the fair value of each deliverable. In general, VSOE does not exist for our solution implementation services and software products. Because our services and products include our unique technology, we are not able to determine TPE. Therefore, we used BESP in our allocation of arrangement consideration. In determining BESP, we apply significant judgment as we weigh a variety of factors, based on the facts and circumstances of the arrangement. We typically arrive at an BESP for a product or service that is not sold separately by considering company-specific factors such as geographies, internal costs, gross margin objectives, pricing practices used to establish bundled pricing, and existing portfolio pricing and discounting.

After fair value is established for each deliverable, the total transaction amount is allocated to each deliverable based upon its relative fair value. Fees allocated to solution implementation services are recognized using the cost-to-cost percentage of completion method of contract accounting. Fees allocated to software and related support and maintenance are recognized under software revenue recognition guidance.

Prior to the adoption of this new accounting standard, under these arrangements, where VSOE of fair value existed for the support and maintenance element, the support and maintenance revenue was recognized separately over the term of the supporting period and the remaining fee was recognized as services are performed using the cost-to-cost percentage of completion method of contract accounting.

*Software Licenses* — We also license our software products separately from our solution implementation services. For software license arrangements that do not require significant modification or customization of the underlying software, software license revenue is recognized under the residual method when (1) persuasive evidence of an arrangement exists, (2) delivery has occurred, (3) the fee is fixed or determinable, (4) collectability is probable, and (5) the arrangement does not require services that are essential to the functionality of the software. When arrangements include multiple elements such as support and maintenance, consulting (other than for our fixed price solution implementations), installation, and training, revenue is allocated to each element of a transaction based upon its fair value as determined by our VSOE and such services are recorded as services revenues. VSOE for maintenance is generally established based upon negotiated renewal rates while VSOE for consulting, installation, and training services is established based upon our customary pricing for such services when sold separately. Revenues for software licenses with extended payment terms are not recognized in excess of amounts due. For software license arrangements that require significant modification or customization of the underlying software, the software license revenues are recognized as services are performed using the cost-to-cost percentage of completion method of contract accounting, and such revenues are recorded as services revenue.

*Gainshare Performance Incentives* — When we enter into a contract to provide yield improvement services, the contract usually includes two components: (1) a fixed fee for performance by us of services delivered over a specific period of time; and (2) a gainshare performance incentives component where the customer may pay a variable fee, usually after the fixed fee period has ended. Revenues derived from gainshare performance incentives represent profit sharing and performance incentives earned based upon our customers reaching certain defined operational levels established in related solution implementation service contracts. Gainshare performance incentives periods are usually subsequent to the delivery of all contractual services and therefore have no cost to us. Due to the uncertainties surrounding attainment of such operational levels, we recognize gainshare performance incentives revenues (to the extent of completion of the related solution implementation services) upon receipt of performance reports or other related information from our customers supporting the determination of amounts and probability of collection. Gainshare performance incentives revenues are dependent on many factors which are outside our control, including among others, continued production of the related ICs by our customers, sustained yield improvements by our customers, and our ability to enter into new Design-to-Silicon-Yield solutions contracts containing provisions for gainshare performance incentives.

### ***Intangible Assets***

Long-lived intangible assets are tested for recoverability whenever events or changes in circumstances indicate that their carrying amounts may not be recoverable. During the three months and six months ended June 30, 2011 and 2010, respectively, there were no indicators of impairment related to the Company's long-lived intangible assets.

## Income Taxes

Realization of deferred tax assets is dependent on our ability to generate future taxable income and utilize tax planning strategies. We have recorded a deferred tax asset in the amount that is more likely than not to be realized based on current estimations and assumptions. We evaluate the valuation allowance on a quarterly basis. Any resulting changes to the valuation allowance will result in an adjustment to income in the period the determination is made.

## Recent Accounting Pronouncements and Accounting Changes

See Note 3 of “Notes to Condensed Consolidated Financial Statements (Unaudited)” of this Quarterly Report on Form 10-Q for a description of recent accounting pronouncements and accounting changes, including the expected dates of adoption and estimated effects, if any, on our consolidated financial statements.

## Results of Operations

The following table sets forth, for the periods indicated, the percentage of total revenues represented by the line items reflected in our condensed consolidated statements of operations:

	Three Months Ended June 30,		Six Months Ended June 30,	
	2011	2010	2011	2010
Revenues:				
Design-to-silicon-yield solutions	76%	70%	73%	69%
Gainshare performance incentives	24	30	27	31
Total revenues	100%	100%	100%	100%
Costs of design-to-silicon-yield solutions:				
Direct costs of design-to-silicon-yield solutions	42	43	43	44
Amortization of acquired technology	1	2	1	2
Total costs of design-to-silicon-yield solutions	43	45	44	46
Gross Profit	57	55	56	54
Operating expenses:				
Research and development	22	25	23	23
Selling, general and administrative	31	28	31	30
Amortization of other acquired intangible assets	—	1	—	1
Restructuring charges (credits)	(1)	—	—	—
Total operating expenses	52	54	54	54
Income (loss) from operations	5	1	2	—
Interest and other income (expense), net	—	3	(1)	2
Income (loss) before taxes	5	4	1	2
Income tax provision	5	2	3	3
Net income (loss)	—%	2%	(2)%	(1)%

## Comparison of the Three Months Ended June 30, 2011 and 2010

Revenues (In thousands, except for percentages)	Three Months Ended June 30,		\$ Change	% Change
	2011	2010		
Design-to-silicon-yield solutions	\$ 13,003	\$ 10,814	\$ 2,189	20%
Gainshare performance incentives	4,157	4,538	(381)	(8)%
Total	\$ 17,160	\$ 15,352	\$ 1,808	12%

*Design-to-Silicon-Yield Solutions.* Design-to-Silicon-Yield solutions revenue is derived from services (including solution implementations, software support and maintenance, consulting, and training) and software licenses, provided during our customer yield improvement engagements as well as during solution product sales. Design-to-Silicon-Yield solutions revenue increased \$2.2 million for the three months ended June 30, 2011 compared to the three months ended June 30, 2010, primarily due to an increase in software and software related services, the result of increased software license sales, and increased long-term service agreements. Our Design-to-Silicon-Yield Solutions revenue may fluctuate in the future and is dependent on a number of factors including our ability to obtain new customers at emerging technology nodes.

*Gainshare Performance Incentives.* Gainshare performance incentives revenue represents profit sharing and performance incentives earned based upon our customers reaching certain defined operational levels. Revenue derived from gainshare performance incentives decreased \$381,000 for the three months ended June 30, 2011 compared to the three months ended June 30, 2010. The decrease was primarily the result of slower yield improvement and lower wafer volumes at customer manufacturing facilities. The revenue from gainshare performance incentives was generated from six customers and six engagements for the three months ended June 30, 2011 and five customers and six engagements for the three months ended June 30, 2010. Our gainshare performance incentives revenue may continue to fluctuate from period to period. Gainshare performance incentives revenue is dependent on many factors that are outside our control, including among others, continued production of ICs by our customers, sustained yield improvements by our customers, and our ability to enter into new Design-to-Silicon-Yield solutions contracts containing provisions for gainshare performance incentives.

<b>Cost of Design-to-Silicon-Yield Solutions</b> <b>(In thousands, except for percentages)</b>	<b>Three Months Ended June 30,</b>		<b>\$</b> <b>Change</b>	<b>%</b> <b>Change</b>
	<b>2011</b>	<b>2010</b>		
Direct costs of design-to-silicon-yield solutions	\$ 7,263	\$ 6,487	\$ 776	12%
Amortization of acquired technology	156	360	(204)	(57)%
<b>Total</b>	<b>\$ 7,419</b>	<b>\$ 6,847</b>	<b>\$ 572</b>	<b>8%</b>

*Costs of Design-to-Silicon-Yield Solutions.* Costs of Design-to-Silicon-Yield solutions consist of costs incurred to provide and support our services, costs recognized in connection with licensing our software, and amortization of acquired technology.

*Direct Costs of Design-to-Silicon-Yield Solutions.* Direct costs of Design-to-Silicon-Yield solutions consist of services costs and software licenses costs. Services costs consist of material, labor, overhead costs, and stock-based compensation charges associated with solution implementations. Costs include purchased materials, employee compensation and related benefits, travel and facilities-related costs. Software license costs consist of costs associated with licensing third-party software sold in conjunction with our software products and expenses incurred to produce and distribute our product documentation. Direct costs of Design-to-Silicon-Yield solutions increased \$776,000 for the three months ended June 30, 2011 compared to the three months ended June 30, 2010. The increase was primarily due to higher labor expense as a result of the growth in revenue-generating engagements and an increase in third-party software license costs related to the growth in software license revenues.

*Amortization of Acquired Technology.* Amortization of acquired technology consists of amortization of intangible assets acquired as a result of certain business combinations. Amortization of acquired technology expense was \$156,000 for the three months ended June 30, 2011 and \$360,000 for the three months ended June 30, 2010. The decrease was primarily due to certain intangible assets being fully amortized in 2010. We anticipate amortization of acquired technology to be \$313,000 in the remaining six months in 2011 and \$261,000 in 2012.

<b>Research and Development</b> <b>(In thousands, except for percentages)</b>	<b>Three Months Ended June 30,</b>		<b>\$</b> <b>Change</b>	<b>%</b> <b>Change</b>
	<b>2011</b>	<b>2010</b>		
Research and development	\$ 3,717	\$ 3,865	\$ (148)	(4)%

*Research and Development.* Research and development expenses consist primarily of personnel-related costs to support product development activities, including compensation and benefits, outside development services, travel and facilities cost allocations, and stock-based compensation charges. Research and development expenses decreased \$148,000 for the three months ended June 30, 2011 compared to the three months ended June 30, 2010, primarily due to utilizing research and development personnel on revenue-generating activities. We anticipate our expenses in research and development will fluctuate in absolute dollars from period to period as a result of cost control initiatives and the timing of when we hire personnel as a result of the size and the timing of product development projects and revenue generating activity requirements.

<b>Selling, General and Administrative</b> <b>(In thousands, except for percentages)</b>	<b>Three Months Ended June 30,</b>		<b>\$</b> <b>Change</b>	<b>%</b> <b>Change</b>
	<b>2011</b>	<b>2010</b>		
Selling, general and administrative	\$ 5,242	\$ 4,381	\$ 861	20%

*Selling, General and Administrative.* Selling, general and administrative expenses consist primarily of compensation and benefits for sales, marketing and general and administrative personnel in addition to outside sales commissions, legal and accounting services, marketing communications, travel and facilities cost allocations, and stock-based compensation charges. Selling, general and administrative expenses increased \$861,000 for the three months ended June 30, 2011 compared to the three months ended June 30, 2010, primarily due to hiring additional personnel to remediate material weakness deficiencies and support the increased level of business activities and one-time costs related to the separation of the Chief Administration Officer in the second quarter of 2011. We anticipate our selling, general and administrative expenses will fluctuate in absolute dollars from period to period as a result of cost control initiatives and to support increased selling efforts in the future.

<b><u>Amortization of Other Acquired Intangible Assets</u></b> <b>(In thousands, except for percentages)</b>	<b>Three Months Ended June 30,</b>		<b>\$</b> <b>Change</b>	<b>%</b> <b>Change</b>
	<b>2011</b>	<b>2010</b>		
Amortization of other acquired intangible assets	\$ 51	\$ 82	\$ (31)	(38)%

*Amortization of Other Acquired Intangible Assets.* Amortization of other acquired intangible assets consists of amortization of intangibles acquired as a result of certain business combinations. Amortization of other acquired intangible assets decreased slightly for the three months ended June 30, 2011 compared to the three months ended June 30, 2010. We anticipate amortization of other acquired intangible assets to be \$102,000 in the remaining six months in 2011, \$174,000 in 2012, \$74,000 in 2013, and \$30,000 in 2014.

<b><u>Restructuring Charges</u></b> <b>(In thousands, except for percentages)</b>	<b>Three Months Ended June 30,</b>		<b>\$</b> <b>Change</b>	<b>%</b> <b>Change</b>
	<b>2011</b>	<b>2010</b>		
Restructuring charges (credits)	\$ (122)	\$ (33)	\$ (89)	270%

*Restructuring Charges (credits).* The \$122,000 restructuring credit during the three months ended June 30, 2011 is primarily due to the sublease of certain previously restructured facilities earlier than previously estimated.

<b><u>Interest and Other Income (Expense), net</u></b> <b>(In thousands, except for percentages)</b>	<b>Three Months Ended June 30,</b>		<b>\$</b> <b>Change</b>	<b>%</b> <b>Change</b>
	<b>2011</b>	<b>2010</b>		
Interest and other income (loss), net	\$ (32)	\$ 404	\$ (436)	(108)%

*Interest and Other Income (expense), net.* Interest and other income (expense), net decreased \$436,000 for the three months ended June 30, 2011 compared to the three months ended June 30, 2010, primarily due foreign currency exchange gains related to Euro to U.S. Dollar currency rate fluctuations in the year-ago period. We anticipate interest and other income (loss) will fluctuate in future periods as a result of our projected use of cash and fluctuations of foreign exchange rates.

<b><u>Income Tax Provision</u></b> <b>(In thousands, except for percentages)</b>	<b>Three Months Ended June 30,</b>		<b>\$</b> <b>Change</b>	<b>%</b> <b>Change</b>
	<b>2011</b>	<b>2010</b>		
Income tax provision	\$ 878	\$ 275	\$ 603	219%

*Income Tax Provision.* Our income tax provision primarily consists of foreign withholding taxes, statutory taxes associated with our foreign subsidiaries, and changes in unrecognized tax benefits. On a quarterly basis, we evaluate our expected income tax provision based on our year-to-date operations, and record an adjustment in the current quarter. Income tax provision increased \$603,000 for the three months ended June 30, 2011 compared to three months ended June 30, 2010, primarily due to an increase in revenues subject to foreign withholding taxes in 2011.

*Comparison of the Six Months Ended June 30, 2011 and 2010*

<b>Revenues</b> (In thousands, except for percentages)	<b>Six Months Ended June 30,</b>		<b>\$</b> <b>Change</b>	<b>%</b> <b>Change</b>
	<b>2011</b>	<b>2010</b>		
Design-to-silicon-yield solutions	\$ 23,570	\$ 21,231	\$ 2,339	11%
Gainshare performance incentives	8,607	9,373	(766)	(8)%
<b>Total</b>	<b>\$ 32,177</b>	<b>\$ 30,604</b>	<b>\$ 1,573</b>	<b>5%</b>

*Design-to-Silicon-Yield Solutions.* Design-to-Silicon-Yield solutions revenue increased \$2.3 million for the six months ended June 30, 2011 compared to the six months ended June 30, 2010, primarily due to an increase in software and software related services, the result of increased software license sales, and increased long-term service agreements. Our Design-to-Silicon-Yield Solutions revenue may fluctuate in the future and is dependent on a number of factors including our ability to obtain new customers at emerging technology nodes.

*Gainshare Performance Incentives.* Revenue derived from gainshare performance incentives decreased \$766,000 for the six months ended June 30, 2011 compared to the six months ended June 30, 2010. The decrease was primarily the result of slower yield improvement and lower wafer volumes at customer manufacturing facilities. The revenue from gainshare performance incentives was generated from six customers and six engagements for the six months ended June 30, 2011 and seven customers and seven engagements for the six months ended June 30, 2010. Our gainshare performance incentives revenue may continue to fluctuate from period to period. Gainshare performance incentives revenue is dependent on many factors that are outside our control, including among others, continued production of ICs by our customers, sustained yield improvements by our customers, and our ability to enter into new Design-to-Silicon-Yield solutions contracts containing provisions for gainshare performance incentives.

<b>Cost of Design-to-Silicon-Yield Solutions</b> (In thousands, except for percentages)	<b>Six Months Ended June 30,</b>		<b>\$</b> <b>Change</b>	<b>%</b> <b>Change</b>
	<b>2011</b>	<b>2010</b>		
Direct costs of design-to-silicon-yield solutions	\$ 13,701	\$ 13,467	\$ 234	2%
Amortization of acquired technology	312	719	(407)	(57)%
<b>Total</b>	<b>\$ 14,013</b>	<b>\$ 14,186</b>	<b>\$ (173)</b>	<b>(1)%</b>

*Direct Costs of Design-to-Silicon-Yield Solutions.* Direct costs of Design-to-Silicon-Yield solutions decreased \$173,000 for the six months ended June 30, 2011 compared to the six months ended June 30, 2010. The decrease was primarily due to lower cost test equipment during the six months ended June 30, 2011 than in 2010, partially offset by an increase in labor expense in support of the growth in revenue-generating engagements year-over-year.

*Amortization of Acquired Technology.* Amortization of acquired technology expense was \$312,000 for the six months ended June 30, 2011 and \$719,000 for the six months ended June 30, 2010. The decrease was primarily due to certain intangible assets being become fully amortized in 2010. We anticipate amortization of acquired technology to be \$313,000 in the remaining six months in 2011 and \$261,000 in 2012.

<b>Research and Development</b> (In thousands, except for percentages)	<b>Six Months Ended June 30,</b>		<b>\$</b> <b>Change</b>	<b>%</b> <b>Change</b>
	<b>2011</b>	<b>2010</b>		
Research and development	\$ 7,429	\$ 7,259	\$ 170	2%

*Research and Development.* Research and development expenses increased \$170,000 for the six months ended June 30, 2011 compared to the six months ended June 30, 2010, primarily due to an increase in the use of outside services, partially offset by utilizing research and development personnel on revenue-generating services. We anticipate our expenses in research and development will fluctuate in absolute dollars from period to period as a result of cost control initiatives and the timing of when we hire personnel as a result of the size and the timing of product development projects and revenue generating activity requirements.

<b>Selling, General and Administrative</b> (In thousands, except for percentages)	<b>Six Months Ended June 30,</b>		<b>\$</b> <b>Change</b>	<b>%</b> <b>Change</b>
	<b>2011</b>	<b>2010</b>		
Selling, general and administrative	\$ 10,081	\$ 9,132	\$ 949	10%

*Selling, General and Administrative.* Selling, general and administrative expenses increased \$949,000 for the six months ended June 30, 2011 compared to the six months ended June 30, 2010, primarily due to hiring additional personnel to remediate material weakness deficiencies and support the increased level of business activities and one-time costs related to the separation of the Chief Administration Officer in the second quarter of 2011. We anticipate our selling, general and administrative expenses will fluctuate in absolute dollars from period to period as a result of cost control initiatives and to support increased selling efforts in the future.

	<u>Six Months Ended June 30,</u>		<u>\$</u>	<u>%</u>
	<u>2011</u>	<u>2010</u>		
<b>Amortization of Other Acquired Intangible Assets</b>				
<b>(In thousands, except for percentages)</b>				
Amortization of other acquired intangible assets	\$ 102	\$ 168	\$ (66)	(39)%

*Amortization of Other Acquired Intangible Assets.* Amortization of other acquired intangible assets decreased slightly for the six months ended June 30, 2011 compared to the six months ended June 30, 2010. We anticipate amortization of other acquired intangible assets to be \$102,000 in the remaining six months in 2011, \$174,000 in 2012, \$74,000 in 2013, and \$30,000 in 2014.

	<u>Six Months Ended June 30,</u>		<u>\$</u>	<u>%</u>
	<u>2011</u>	<u>2010</u>		
<b>Restructuring Charges</b>				
<b>(In thousands, except for percentages)</b>				
Restructuring charges (credits)	\$ (133)	\$ (32)	\$ (101)	316%

*Restructuring Charges (credits).* The \$133,000 restructuring credit during the three months ended June 30, 2011 is primarily due to primarily due to the sublease of certain previously restructured facilities earlier than previously estimated.

	<u>Six Months Ended June 30,</u>		<u>\$</u>	<u>%</u>
	<u>2011</u>	<u>2010</u>		
<b>Interest and Other Income, net</b>				
<b>(In thousands, except for percentages)</b>				
Interest and other income (loss), net	\$ (411)	\$ 666	\$ (1,077)	(162)%

*Interest and Other Income (expense), net.* Interest and other income (expense), net decreased \$1.1 million for the six months ended June 30, 2011 compared to the six months ended June 30, 2010, primarily due to currency exchange rate fluctuations resulting in foreign exchange losses during the six months ended June 30, 2011 compared to foreign exchange gains during the six months ended June 30, 2010. We anticipate interest and other income (loss) will fluctuate in future periods as a result of our projected use of cash and fluctuations of foreign exchange rates.

	<u>Six Months Ended June 30,</u>		<u>\$</u>	<u>%</u>
	<u>2011</u>	<u>2010</u>		
<b>Income Tax Provision</b>				
<b>(In thousands, except for percentages)</b>				
Income tax provision	\$ 930	\$ 776	\$ 154	20%

*Income Tax Provision.* Income tax provision increased \$154,000 for the six months ended June 30, 2011 compared to the six months ended June 30, 2010, primarily due to an increase in revenues subject to foreign withholding taxes in 2011.

## Liquidity and Capital Resources

### Operating Activities

Cash flows from operating activities of \$3.9 million for the six months ended June 30, 2011 consisted primarily of net loss of \$0.7 million that was more than offset by \$2.7 million of non-cash charges and \$1.9 million of cash flow increases reflected in the net change of operating assets and liabilities. Non-cash charges consisted primarily of stock-based compensation of \$2.6 million, amortization of acquired intangible assets of \$0.4 million and depreciation of \$0.2 million, partially offset by purchases of treasury stock of \$0.3 million for employee income tax withholdings due upon vesting of restricted stock units and deferred taxes of \$0.2 million. Cash flow increases resulting from the net change in assets and liabilities primarily consisted of a decrease of \$1.3 million of accounts receivable, a \$0.7 million increase in accrued compensation and a \$0.3 million increase in accounts payable, partially offset by \$0.4 million increase in prepaid expenses and other assets, a \$0.2 million increase in billings in excess of recognized revenue and a combined \$0.3 million increase in accrued and other liabilities and deferred revenue. The \$1.5 million combined cash flow increase resulted from the decrease in accounts receivable and increase in billings in excess of recognized revenues due to the timing of billing milestones and payments received. The increase in accrued compensation primarily reflects employee ESPP contribution levels prior to purchase of Company stock next quarter and accrued costs related to the separation of the Company's Chief Administration Officer in the second quarter of 2011.

Cash flows used in operating activities of \$2.4 million for the six months ended June 30, 2010 consisted primarily of net loss of \$0.2 million and \$6.1 million of cash flow decreases reflected in the net change in operating assets and liabilities, partially offset by \$4.0 million of non-cash charges. Cash flow decreases resulting from the net change in operating assets and liabilities primarily consisted of a \$3.6 million increase in accounts receivable, a \$1.3 million decrease in billings in excess of recognized revenues, a \$1.3 million decrease in accrued and other liabilities and a \$0.6 million decrease in accrued compensation and other related benefits, partially offset by a \$0.3 million increase in accounts payable, a \$0.2 million reduction in prepaid expenses and other assets and a \$0.1 million decrease in deferred revenues. The \$4.8 million combined cash flow decrease from the increase in accounts receivable and decrease in billings in excess of recognized revenues is due to increased revenues, and the timing of billing milestones and payments received. The decrease in accrued and other liabilities was primarily due to tax payments made during the period. The decrease in accrued compensation and benefits primarily reflects the results of our cost control efforts. Non-cash charges consisted primarily of stock-based compensation of \$2.9 million, amortization of acquired intangible assets of \$0.9 million and depreciation of \$0.5 million, partially offset by purchases of treasury stock of \$0.4 million for employee income tax withholdings due upon vesting of restricted stock units.

### ***Investing Activities***

Cash flows used in investing activities of \$0.2 million and \$0.1 million for the six months ended June 30, 2011 and 2010, respectively, consisted of payments for capital expenditures.

### ***Financing Activities***

Cash flows used in financing activities of \$0.2 million for the six months ended June 30, 2011 consisted primarily of repurchases of 168,000 shares of our common stock for \$1.0 million on the open market during the period and \$0.1 million of principal payments on debt obligations, partially offset by \$0.4 million of proceeds from the exercise of stock options and \$0.4 million of proceeds from our Employee Stock Purchase Plan.

Cash flows provided by financing activities of \$0.4 million for the six months ended June 30, 2010 consisted primarily of \$0.4 million proceeds received from our Employee Stock Purchase Plan and \$0.1 million proceeds from the exercise of stock options, partially offset by \$0.1 million of principal payments on long-term obligations.

### ***Liquidity***

As of June 30, 2011, our working capital, defined as total current assets less total current liabilities, was \$53.9 million, compared with \$52.2 million as of December 31, 2010. Cash and cash equivalents were \$41.7 million as of June 30, 2011, compared to \$38.2 million as of December 31, 2010. We anticipate that our overall expenses, as well as planned capital expenditures, may constitute a material use of our cash resources. In addition, we may use cash resources to repurchase common stock or fund potential investments in, or acquisitions of complementary products, technologies or businesses. We believe that our existing cash resources and anticipated funds from operations will satisfy our cash requirements to fund our operating activities, capital expenditures and other obligations for at least the next twelve months. However, in the event that during such period, or thereafter, we are not successful in generating sufficient cash flows from operations we may need to raise additional capital through private or public financings, strategic relationships or other arrangements, which may not be available to us on acceptable terms or at all.

As of June 30, 2011, our non-current investments included auction-rate securities with a fair value of \$718,000. The auction-rate securities are measured at fair value using significant unobservable inputs (Level 3 inputs) and accounted for approximately 3% of total assets that are measured at fair value on a recurring basis. See Note 13 to "Notes to Condensed Consolidated Financial Statements (Unaudited)" in Part I, and Item 3. "Quantitative and Qualitative Disclosures About Market Risk" in this Quarterly Report on Form 10-Q for further discussion.

### **Off-Balance Sheet Agreements**

We do not have any off-balance sheet arrangements, investments in special purpose entities or undisclosed borrowings or debt, other than operating leases on our facilities.

We indemnify certain customers from third-party claims of intellectual property infringement relating to the use of our products. Historically, costs related to these guarantees of indemnification have not been significant. We are unable to estimate the maximum potential impact of these guarantees on our future results of operations.

### **Contractual Obligations**

The following table summarizes our known contractual obligations (in thousands):

<b>Contractual obligations</b>	<b>2011</b>				
	<b>(six months remaining)</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Debt principal (1)	\$ 57	\$ —	\$ —	\$ —	\$ 57
Debt interest (1)	2	—	—	—	2
Operating lease obligations (2)	2,650	2,533	1,899	171	7,253
Total (3)	<u>\$ 2,709</u>	<u>\$ 2,533</u>	<u>\$ 1,899</u>	<u>\$ 171</u>	<u>\$ 7,312</u>

- (1) Amount represents the current contractual obligation under a €400,000 loan with a variable interest rate based on the EURIBOR plus 160 basis points.
- (2) Operating lease amounts include minimum rental payments under our operating leases for our office facilities, as well as computers, office equipment, and vehicles that we utilize under lease agreements. These minimum rental payments include payments on those facilities abandoned as part of the restructuring activities. These agreements expire at various dates through 2014.
- (3) The contractual obligation table above excludes liabilities for uncertain tax positions of \$3.4 million, which are not practicable to assign to any particular years, due to the inherent uncertainty of the tax positions. See Note 9 of “Notes to Condensed Consolidated Financial Statements (Unaudited)” for further discussion.

### Item 3. Quantitative and Qualitative Disclosures About Market Risk

The following discusses our exposure to market risk related to changes in interest rates and foreign currency exchange rates. We do not currently own any equity investments, nor do we expect to own any in the foreseeable future. This discussion contains forward-looking statements that are subject to risks and uncertainties. Actual results could vary materially as a result of a number of factors.

*Interest Rate Risk.* As of June 30, 2011, we had cash and cash equivalents of \$41.7 million. Cash and cash equivalents consisted of cash and highly liquid money market instruments. We would not expect our operating results or cash flows to be affected to any significant degree by the effect of a sudden change in market interest on our portfolio. A hypothetical increase in market interest rates of 100 basis points from the market rates in effect at June 30, 2011 would cause the fair value of these investments to decrease by an immaterial amount which would not have significantly impacted our financial position or results of operations. Declines in interest rates over time will result in lower interest income and interest expense.

As of June 30, 2011, we held auction-rate securities with a par value of \$1.0 million. Auction-rate securities are variable rate debt instruments whose interest rates are reset through a “Dutch” auction process at regular intervals, typically every 28 days. A portion of these securities are insured by third party bond insurers and are collateralized by student loans guaranteed by governmental agencies and private entities. The liquidity of the securities has been negatively impacted by the uncertainty in the credit markets and the exposure of these securities to the financial condition of bond insurance companies. All auction-rate securities we hold have been failing to sell at auction since February 2008 due to an insufficient number of bidders. Therefore, we reviewed the value of these securities for impairment. The cumulative impairment for these securities as of June 30, 2011 was \$282,000, which is included in accumulated other comprehensive income (loss). In future periods, the estimated fair value of our auction-rate securities could decline further based on market conditions, which could result in additional impairment.

*Foreign Currency and Exchange Risk.* Certain of our payables for our international offices are denominated in the local currency, including the Euro. Therefore, a portion of our operating expenditures is subject to foreign currency risks. The effect of an immediate 10% adverse change in exchange rates on foreign denominated liabilities as of June 30, 2011 would result in a loss of approximately \$543,000. As of June 30, 2011, we did not have outstanding hedging contracts, although we may enter into such contracts in the future. We intend to monitor our foreign currency exposure. Future exchange rate fluctuations may have a material negative impact on our business.

### Item 4. Controls and Procedures

#### Evaluation of Disclosure Controls and Procedures

As of June 30, 2011, we carried out an evaluation under the supervision and with the participation of our management, including the Chief Executive Officer (“CEO”) and Interim Chief Financial Officer (“CFO”), of the effectiveness of our disclosure controls and procedures as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act of 1934, as amended (“Exchange Act”). Based on our evaluation, as of the end of the period covered by this Quarterly Report on Form 10-Q, our CEO and Interim CFO have concluded that our disclosure controls and procedures were not effective because of the material weaknesses in our internal control and reporting which were described in our Annual Report on Form 10-K for the year ended December 31, 2010 related to lack of resources or expertise to provide reasonable assurance for the accurate application of GAAP in non-routine or complex transactions, controls to provide reasonable assurance for the accuracy of accounting for revenue transactions and controls to provide reasonable assurance for the accuracy of stock-based compensation transactions. The control deficiencies described above resulted in audit adjustments to the Company’s consolidated financial statements for the year ended December 31, 2010 with respect to the following accounts: revenue, accounts receivable, billings in excess of recognized revenues, deferred cost, stock-based compensation expense, additional-paid-in-capital, and accrued and other current liabilities. In addition, these control deficiencies resulted in revisions to the Company’s consolidated financial statements for the year ended December 31, 2009, each of the 2010 quarterly periods and annual period ended December 31, 2010 and quarter ended March 31, 2011 as described in Note 2 to the condensed consolidated financial statements for the quarter ended June 30, 2011. Additionally, these control deficiencies could result in further misstatements to the aforementioned accounts that would result in a material misstatement to the annual or interim consolidated financial statements that would not be prevented or detected. Accordingly, management has determined that these control deficiencies constitute material weaknesses as of June 30, 2011.

In light of the material weaknesses in our internal control over financial reporting as of June 30, 2011, the Company performed additional analysis and other post-closing procedures in an effort to ensure that our Condensed Consolidated Financial Statements included in this Quarterly Report on Form 10-Q, as of and for the quarter ended June 30, 2011, have been prepared in accordance with GAAP.

#### *Remediation of Material Weaknesses*

Beginning in the first quarter of 2011, we commenced a process of developing, adopting and implementing policies and procedures described below to address the identified material weaknesses. During the second quarter of 2011, we continued to monitor and evaluate these remediation measures that have been implemented to address the material weaknesses and enhance the Company's internal control over financial reporting. Remediation measures performed to date have included the following:

- The Company hired personnel with requisite experience for non-routine or complex transactions, including with respect to the application of generally accepted accounting principles for percentage of completion contracts, certain multi-element revenue arrangements, and stock-based compensation transactions;
- The Company expanded its controls to include identification of non-routine or complex transactions for increased periodic and on-going review by personnel with the requisite expertise;
- The Company implemented procedures to ensure that our revenue controls are enhanced to include specific consideration of the accounting for contract costs and the cost estimation process for the Company's design-to-silicon yield services contracts;
- The Company implemented procedures to ensure that our controls surrounding stock-based compensation transactions are enhanced to include specific consideration of the accounting for non-routine modifications and other complex transactions; and,
- The Company provided on-going training of our employees on generally accepted accounting principles in general, and existing and new policies and procedures around revenue and stock-based compensation in particular.

Although we believe that the remediation efforts that we have taken and additional changes to internal controls as deemed appropriate will improve our internal control over financial reporting and our disclosure control and procedures, additional time is required to further design and fully implement the above actions and to demonstrate these remediation efforts result in the effective operation of our internal controls. Management will continue to closely monitor the remediation plan and take steps to remedy the identified material weaknesses and intends to continue to implement the necessary changes to remediate the material weaknesses during fiscal year 2011.

#### **Changes in Internal Control over Financial Reporting**

During the quarter ended June 30, 2011, we appointed an Interim Chief Financial Officer to replace the departing Chief Administration Officer and acting Chief Financial Officer. There have not been any other changes in internal control over financial reporting during the quarter ended June 30, 2011 which have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

## **PART II — OTHER INFORMATION**

### **Item 1. Legal Proceedings**

Item 3, "Legal Proceedings," on page 15 of our Annual Report on Form 10-K for the year ended December 31, 2010, and Item 1, "Legal Proceedings," on page 23 of our Quarterly Report on Form 10-Q for the quarter ended March 31, 2011, provide information on certain legal proceedings and claims in which we are involved. There have been no subsequent material developments to these matters or that information.

### Item 1A. Risk Factors

Item 1A, "Risk Factors," on pages 9 through 15 of the Company's Annual Report on Form 10-K for the year ended December 31, 2010, provides information on the significant risks associated with our business. There have been no subsequent material changes to these risks.

### Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

The table below sets forth the information with respect to purchases made by or on behalf of the Company or any "affiliated purchaser" (as the term is defined in Rule 10b-18(a)(3) under the Securities Exchange Act of 1934) of our common stock during the three months ended June 30, 2011 (in thousands except per share amounts):

#### ISSUER PURCHASES OF EQUITY SECURITIES

<b>Period</b>	<b>Total Number of Shares Purchased (2)</b>	<b>Average Price Paid Per Share</b>	<b>Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs (1)</b>	<b>Approximate Dollar Value of Shares that May Yet Be Purchased Under the Plans or Programs(1)</b>
Month #4 (April 1, 2011 through April 30, 2011)	—	\$ —	—	\$ 9,697
Month #5 (May 1, 2011 through May 30, 2011)	169	6.85	169	\$ 8,668
Month #6 (June 1, 2011 through June 30, 2011)	12	6.11	12	\$ 8,595
Total	<u>181</u>	\$ 6.23	<u>181</u>	

(1) On October 29, 2007, the Board of Directors approved a program to repurchase up to \$10.0 million of the Company's common stock on the open market. The right to repurchase stock under this program expired on October 29, 2010. An amendment to this repurchase program was approved by the Board of Directors on October 19, 2010 that extended the program's term for two more years to October 29, 2012 and reset the aggregate amount available for repurchase under the program to \$10.0 million. As of June 30, 2011, 2.9 million shares were repurchased at the average price of \$3.66 per share under this program and \$8.6 million remained available for repurchases.

(2) Included in the shares indicated in the table above are shares that the Company withheld through net share settlements to cover tax withholding obligations upon the vesting of restricted stock unit awards under the Company's equity compensation plans.

### Item 3. Defaults Upon Senior Securities

None

### Item 4. (Removed and Reserved)

### Item 5. Other Information

None

**Item 6. Exhibits**

<b>Exhibit Number</b>	<b>Description</b>
10.01	Form of Nonstatutory Stock Option Agreement under the PDF Solutions, Inc. 2001 Stock Plan.
10.02	Form of Restricted Stock Agreement under the PDF Solutions, Inc. 2001 Stock Plan.
10.03	Form of Stock Option Agreement (France) under the PDF Solutions, Inc. 2001 Stock Plan.
10.04	Form of Restricted Stock Agreement (France) under the PDF Solutions, Inc. 2001 Stock Plan.
10.05	Employment Offer Letter to Michael Shahbazian from PDF Solutions, Inc. dated June 10, 2011.
31.01	Certification of the Chief Executive Officer pursuant to Exchange Act Rules 13a-14(a) and 15d-14(a), as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
31.02	Certification of the Chief Financial Officer pursuant to Exchange Act Rules 13a-14(a) and 15d-14(a), as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.01	Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002. *
32.02	Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002. *

\* As contemplated by SEC Release No. 33-8212, these exhibits are furnished with this Quarterly Report on Form 10-Q and are not deemed filed with the Securities and Exchange Commission and are not incorporated by reference in any filing of PDF Solutions, Inc. under the Securities Act of 1933 or the Securities Exchange Act of 1934, whether made before or after the date hereof and irrespective of any general incorporation language in any filings.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

**PDF SOLUTIONS, INC.**

Date: August 9, 2011

By: /s/ John K. Kibarian

John K. Kibarian  
President and Chief Executive Officer  
(Principal Executive Officer)

Date: August 9, 2011

By: /s/ Michael Shahbazian

Michael Shahbazian  
Vice President, Interim Chief Financial Officer  
(Principal Financial Officer)

## INDEX TO EXHIBITS

<b>Exhibit Number</b>	<b>Description</b>
10.01	Form of Nonstatutory Stock Option Agreement under the PDF Solutions, Inc. 2001 Stock Plan.
10.02	Form of Restricted Stock Agreement under the PDF Solutions, Inc. 2001 Stock Plan.
10.03	Form of Stock Option Agreement (France) under the PDF Solutions, Inc. 2001 Stock Plan.
10.04	Form of Restricted Stock Agreement (France) under the PDF Solutions, Inc. 2001 Stock Plan.
10.05	Employment Offer Letter to Michael Shahbazian from PDF Solutions, Inc. dated June 10, 2011.
31.01	Certification of the Chief Executive Officer pursuant to Exchange Act Rules 13a-14(a) and 15d-14(a), as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
31.02	Certification of the Chief Financial Officer pursuant to Exchange Act Rules 13a-14(a) and 15d-14(a), as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.01	Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002. *
32.02	Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002. *

\* As contemplated by SEC Release No. 33-8212, these exhibits are furnished with this Quarterly Report on Form 10-Q and are not deemed filed with the Securities and Exchange Commission and are not incorporated by reference in any filing of PDF Solutions, Inc. under the Securities Act of 1933 or the Securities Exchange Act of 1934, whether made before or after the date hereof and irrespective of any general incorporation language in any filings.

**PDF SOLUTIONS, INC.  
2001 STOCK PLAN**

**NONSTATUTORY STOCK OPTION AGREEMENT**

PDF Solutions, Inc. (the “Company”), hereby grants an Option to purchase shares of its common stock (the “Shares”) to the Optionee to whom this Agreement is delivered. The terms and conditions of the Option are set forth in the online Grant Summary, in this Agreement and in the Company’s 2001 Stock Plan (the “Plan”).

<b>The Plan and Other Agreements</b>	The text of the Plan is incorporated in this Agreement by reference. Certain capitalized terms used in this Agreement are defined in the Plan. This Agreement (including Appendix A hereto) and the Plan constitute the entire understanding between you and the Company regarding this Option. Any prior agreements, commitments or negotiations concerning this Option are superseded.
<b>Nonstatutory Stock Option</b>	This Option is not intended to be an Incentive Stock Option under section 422 of the Internal Revenue Code and will be interpreted accordingly.
<b>Vesting</b>	This Option is only exercisable before it expires and then only with respect to the vested portion of the Option. This Option will vest according to the Vesting Schedule in the online Grant Summary. The resulting aggregate number of vested Shares will be rounded to the nearest whole number. No additional Shares will vest after your Service has terminated for any reason, unless and then only as set forth in a separate agreement between you and the Company.
<b>Term</b>	Your Option will expire in any event at the close of business at Company headquarters on the day before the 10th anniversary of the Date of Option Grant, as shown in the online Grant Summary. Your Option will expire earlier if your Service terminates, as described below.
<b>Regular Termination</b>	If your Service terminates for any reason, other than death, Disability or Cause, as defined below, then your Option will expire on the 90th day after your termination date. This 90-day period shall not be extended by any notice period mandated under local law.
<b>Termination for Cause</b>	If your Service is terminated for Cause, as determined by the Board in its sole discretion, then you shall immediately forfeit all rights to your Option and the Option shall immediately expire. For purposes of this Agreement, “Cause” shall mean the termination of your Service due to your commission of any act of fraud, embezzlement or dishonesty; any unauthorized use or disclosure of confidential information or trade secrets of the Company (or any Parent, Subsidiary or Affiliate); or any other intentional misconduct adversely affecting the business or affairs of the Company (or any Parent, Subsidiary or Affiliate) in a material manner. This definition shall not restrict in any way the Company’s or any Parent’s, Subsidiary’s or Affiliate’s right to discharge you for any other reason, nor shall this definition be deemed to be inclusive of all the acts or omissions which constitute “cause” for purposes other than this Agreement.

<b>Death</b>	If your Service terminates because of your death, then your Option will expire at the close of business at Company headquarters on the date twelve (12) months after the date of death. During that twelve (12) month period, your estate or heirs may exercise the vested portion of your Option.
<b>Disability</b>	If your Service terminates because of your Disability, then your Option will expire at the close of business at Company headquarters on the date twelve (12) months after your termination date. During that twelve (12) month period, you may exercise the vested portion of your Option.
<b>Leaves of Absence</b>	<p>For purposes of this Option, your Service does not terminate when you go on a <i>bona fide</i> leave of absence that was approved by the Company in writing, if the terms of the leave provide for continued Service crediting, or when continued Service crediting is required by applicable law. Your Service terminates in any event when the approved leave ends unless you immediately return to active work.</p> <p>The Company determines which leaves count for this purpose, and when your Service terminates for all purposes under the Plan.</p>
<b>Notice of Exercise</b>	<p>When you wish to exercise this Option, you must notify the Company by use of the proper notice of exercise available from the Company's designated broker. Your notice must specify how many Shares you wish to purchase. Your notice must also specify how your Shares should be registered (in your name only or in your and your spouse's names as community property or as joint tenants with right of survivorship). The notice will be effective when it is received by the Company's designated broker.</p> <p>If someone else wants to exercise this Option after your death, that person must prove to the Company's or the Company's designated broker's satisfaction, as applicable, that he or she is entitled to do so.</p>
<b>Form of Payment</b>	<p>When you submit your notice of exercise, you must include payment of the Exercise Price for the Shares you are purchasing. Payment may be made, at the Company's discretion, in one (or a combination) of the following forms:</p> <ul style="list-style-type: none"> <li>• Cash, your personal check, a cashier's check or a money order.</li> <li>• Shares which have already been owned by you for more than six months and which are surrendered to the Company. The value of the Shares, determined as of the effective date of the Option exercise, will be applied to the Exercise Price.</li> <li>• To the extent a public market for the Shares exists as determined by the Company, by delivery (on a form prescribed by the Company or the Company's designated broker) of an irrevocable direction to a securities broker to sell Shares and to deliver all or part of the sale proceeds to the Company or the Company's designated broker, as applicable, in payment of the aggregate exercise price.</li> </ul>

<b>Withholding Taxes</b>	<p>You will not be allowed to exercise this Option unless you make acceptable arrangements to pay any withholding or other taxes that may be due as a result of the Option exercise or sale of Shares acquired under this Option. Specifically, in the Company's sole discretion, by accepting this Agreement, you authorize the Company's designated broker to sell that portion of any Shares that are issued necessary to obtain sufficient proceeds to satisfy any applicable tax, withholding or other liability (note that the full amount of the proceeds will be applied to satisfy any applicable tax, withholding or other liability, even if it may exceed the minimum amount required to satisfy such tax, withholding or other liability). Notwithstanding the foregoing, any sale of Shares must be made in compliance with all applicable laws and the Company's insider trading policies, and no sales shall occur pursuant to this provision or otherwise unless and until such laws, rules and regulations are satisfied. The Company shall not be required to issue Shares pursuant to this Agreement unless and until the obligations described herein are satisfied.</p>
<b>Restrictions on Exercise and Resale</b>	<p>By signing this Agreement, you agree not to exercise this Option or sell any Shares acquired under this Option at a time when applicable laws, regulations or Company or underwriter trading policies prohibit exercise, sale or issuance of Shares. The Company will not permit you to exercise this Option if the issuance of Shares at that time would violate any law or regulation. The Company shall have the right to designate one or more periods of time, each of which shall not exceed one hundred eighty (180) days in length, during which this Option shall not be exercisable if the Company determines (in its sole discretion) that such limitation on exercise could in any way facilitate a lessening of any restriction on transfer pursuant to the Securities Act or any state securities laws with respect to any issuance of securities by the Company, facilitate the registration or qualification of any securities by the Company under the Securities Act or any state securities laws, or facilitate the perfection of any exemption from the registration or qualification requirements of the Securities Act or any applicable state securities laws for the issuance or transfer of any securities. Such limitation on exercise shall not alter the vesting schedule set forth in this Agreement other than to limit the periods during which this Option shall be exercisable.</p> <p>If the sale of Shares under the Plan is not registered under the Securities Act, but an exemption is available which requires an investment or other representation, you shall represent and agree at the time of exercise that the Shares being acquired upon exercise of this Option are being acquired for investment, and not with a view to the sale or distribution thereof, and shall make such other representations as are deemed necessary or appropriate by the Company and its counsel.</p> <p>Notwithstanding anything to the contrary herein, the Company shall not be obligated to issue any Shares pursuant to this Option if at any time the offering of the Shares or your exercise of this Option violates or is not in compliance with any applicable law. The Company reserves the right to impose other requirements on your participation in the Plan or on the Options or Shares acquired under the Plan to the extent the Company determines it is necessary or advisable in order to comply with local law or facilitate the administration of the Plan and to require you to sign additional agreements or undertakings that may be necessary to accomplish the foregoing. Depending on your country of residence, there may be additional restrictions on this Option or Shares to be issued pursuant to this Option, which may be set forth in the attached Appendix A to this Agreement. You understand that the laws of the country in which you are working at the time of grant, vesting, or exercise of the Option or at the subsequent sale of any Shares issued pursuant to the Option (including any rules or regulations governing securities, foreign exchange, tax, labor or other matters), may restrict or prevent exercise of this Option or may subject you to additional procedural or regulatory requirements that you solely are responsible for and must independently fulfill in relation to the Option or ownership or sale of Shares.</p>

<b>Transfer of Option</b>	Prior to your death, only you may exercise this Option. You cannot transfer or assign this Option. For instance, you may not sell this Option or use it as security for a loan. If you attempt to do any of these things, this Option will immediately become invalid. You may, however, dispose of this Option in your will. Regardless of any marital property settlement agreement, the Company is not obligated to honor a notice of exercise from your spouse, nor is the Company obligated to recognize your spouse's interest in your Option in any other way.
<b>Retention Rights</b>	Your Option or this Agreement does not give you the right to be retained by the Company (or any Parent or any Subsidiaries or Affiliates) in any capacity. The Company (or any Parent and any Subsidiaries or Affiliates) reserves the right to terminate your Service at any time and for any reason or otherwise in accordance with applicable law.
<b>No Entitlements</b>	Your rights, if any, in connection with this Option are derived solely from the discretionary decision of the Company to permit you to participate in the Plan and to benefit from an Award. By accepting this Option, you expressly acknowledge that there is no obligation on the Company to continue the Plan and/or grant any additional Awards to you. This Option is not intended to be compensation of a continuing or recurring nature or part of your normal or expected compensation and in no way represents any portion of your salary, compensation or other remuneration for purposes of pension benefits, severance, redundancy, resignation or any other purpose.

---

<b>Stockholder Rights</b>	You, or your estate or heirs, have no rights as a stockholder of the Company until a certificate for your Option's Shares has been issued. No adjustments are made for dividends or other rights if the applicable record date occurs before your stock certificate is issued, except as described in the Plan.
<b>Adjustments</b>	In the event of a stock split, a stock dividend or a similar change in the Company stock, the number of Shares covered by this Option and the exercise price per Share may be adjusted (and rounded down to the nearest whole number) pursuant to the Plan. Your Option shall be subject to the terms of the agreement of merger, liquidation or reorganization in the event the Company is subject to such corporate activity.
<b>Legends</b>	<p>All certificates representing the Shares issued upon exercise of this Option shall, where applicable, have endorsed thereon the following legends:</p> <p>“THE SHARES REPRESENTED BY THIS CERTIFICATE ARE SUBJECT TO CERTAIN RESTRICTIONS ON TRANSFER AND OPTIONS TO PURCHASE SUCH SHARES SET FORTH IN AN AGREEMENT BETWEEN THE COMPANY AND THE REGISTERED HOLDER, OR HIS OR HER PREDECESSOR IN INTEREST. A COPY OF SUCH AGREEMENT IS ON FILE AT THE PRINCIPAL OFFICE OF THE COMPANY AND WILL BE FURNISHED UPON WRITTEN REQUEST TO THE SECRETARY OF THE COMPANY BY THE HOLDER OF RECORD OF THE SHARES REPRESENTED BY THIS CERTIFICATE.”</p> <p>“THE SHARES REPRESENTED BY THIS CERTIFICATE HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED AND MAY NOT BE TRANSFERRED WITHOUT AN EFFECTIVE REGISTRATION STATEMENT FOR SUCH SECURITIES UNDER SUCH ACT, OR PURSUANT TO RULE 144 PROMULGATED UNDER SUCH ACT OR AN OPINION OF COUNSEL SATISFACTORY TO THE COMPANY THAT REGISTRATION IS NOT REQUIRED UNDER SUCH ACT.”</p>
<b>Tax and Legal Advice</b>	You represent, warrant and acknowledge that the Company has made no warranties or representations to you with respect to any applicable tax or legal consequences of the transactions contemplated by this Agreement and you are in no manner relying on the Company its representatives for an assessment of such tax or legal consequences. YOU UNDERSTAND THAT THE LAWS AND REGULATIONS ARE SUBJECT TO CHANGE. YOU SHOULD CONSULT YOUR OWN TAX OR LEGAL ADVISOR REGARDING THIS AGREEMENT, THIS o AND SHARES TO BE ISSUED PURSUANT TO THIS OPTION. YOU UNDERSTAND THAT THE COMPANY IS NOT PROVIDING ANY TAX OR LEGAL ADVICE, NOR IS THE COMPANY MAKING ANY RECOMMENDATION REGARDING YOUR ACCEPTANCE OF THIS GRANT. NOTHING STATED HEREIN IS INTENDED OR WRITTEN TO BE USED, AND CANNOT BE USED, FOR THE PURPOSE OF AVOIDING TAXPAYER PENALTIES.

---

<b>Authorization to Release Necessary Personal Information</b>	<p>You hereby authorize and direct the Company to collect, use and transfer in electronic or other form, any personal information (the "Data") regarding your employment, the nature and amount of your compensation and the facts and conditions of your participation in the Plan (including, but not limited to, your name, home address, telephone number, date of birth, social security number (or any other social or national identification number), salary, nationality, job title, number of Shares held and the details of all Awards or any other entitlement to Shares awarded, cancelled, exercised, vested, unvested or outstanding) for the purpose of implementing, administering and managing your participation in the Plan. You understand that the Data may be transferred to the Company or any of its Parent, Subsidiaries or Affiliates, or to any third parties assisting in the implementation, administration and management of the Plan, including any requisite transfer to a broker or other third party assisting with the administration of this Option under the Plan or with whom Shares acquired pursuant to this Option or cash from the sale of such Shares may be deposited. You acknowledge that recipients of the Data may be located in different countries, and those countries may have data privacy laws and protections different from those in the country of your residence. Furthermore, you acknowledge and understand that the transfer of the Data to the Company or any of its Parent, Subsidiaries or Affiliates, or to any third parties is necessary for your participation in the Plan. You may at any time withdraw the consents herein by contacting your local human resources representative in writing. You further acknowledge that withdrawal of consent may affect your ability to realize benefits from this Option, and your ability to participate in the Plan.</p>
<b>Communications</b>	<p>The Company may, in its sole discretion, decide to deliver any documents related to this Option and the Plan by electronic means or to request your consent to participate in the Plan by electronic means. You hereby consent to receive such documents by electronic delivery and, if requested, to agree to participate in the Plan through an online or electronic system established and maintained by the Company or a third party designated by the Company. If you have received this Agreement or any other document related to the Plan translated into a language other than English and if the translated version is different than the English version, the English version will control.</p>
<b>Applicable Law</b>	<p>This Agreement will be interpreted and enforced under the laws of the State of Delaware.</p>

(Acceptance designated electronically at the website of the Company's designated broker.)

---

PDF SOLUTIONS, INC.  
2001 STOCK PLAN

NONSTATUTORY STOCK OPTION AGREEMENT

APPENDIX A

**This Appendix A includes additional specific terms that apply to you if you are resident in a non-U.S. country. This Appendix A, including any documents incorporated herein, is part of the Nonstatutory Stock Option Agreement to which it is attached (the “Agreement”) and contains terms and conditions material to participation in the Plan. Unless otherwise provided below, capitalized terms used but not defined herein shall have the same meanings assigned to them in the Plan and the Agreement.**

**You understand and agree that the Company is neither responsible for any foreign exchange fluctuations between your local currency and the U.S. Dollar that may affect the value of the Company’s Shares nor liable for any decrease in the value of the Shares. You understand and agree that any cross-border remittance made to exercise this Option or transfer proceeds receive upon the sale of Shares must be made through a locally authorized financial institution or registered foreign exchange agency and may require you to provide to such to such financial institution or agency certain information regarding the transaction.**

**China**

Your Award is also subject to the terms and conditions outlined in the separate China Addendum and Internal Control Policy, both of which are incorporated herein and form part of this Agreement. By accepting this Award, you acknowledge that you understand and agree to the terms and conditions of the China Addendum and Internal Control Policy.

**Italy**

You are currently not permitted to exercise your Options via a cash purchase exercise method. You may be required to report on your annual tax return any transfer abroad in excess of EUR 10,000 and not delivered by an authorized Italian bank.

**Data Privacy Notice**

Pursuant to Legislative Decree no. 196/2003, the Controller of personal data processing and the Company’s representative in Italy for privacy purposes is PDF Solutions, Inc. Sede Secondaria in Italia, with registered offices at Piazza Meda 3, Milano 20100 Italy .

By accepting this Award, you agree to the following:

“I understand that data processing related to the purposes specified in this Agreement shall take place under automated or non-automated conditions, anonymously when possible, that comply with the purposes for which data are collected and with confidentiality and security provisions as set forth by applicable laws and regulations, with specific reference to Legislative Decree no. 196/2003.

---

The processing activity, including the communication and transfer of my data abroad, including outside of the European Union, as herein specified and pursuant to applicable laws and regulations, does not require my consent thereto as the processing is necessary for the performance of contractual obligations related to the implementation, administration and management of the Plan. I understand that the use of my data will be minimized where it is not necessary for the implementation, administration and management of the Plan. I further understand that, pursuant to Section 7 of the Legislative Decree no. 196/2003, I have the right to, including but not limited to, access, delete, update, ask for rectification of my data and stop, for legitimate reason, the data processing. Furthermore, I am aware that my data will not be used for direct marketing purposes.”

#### **Japan**

If you are issued or transfer Shares with a value that exceeds ¥100,000,000, you must file a report with the Ministry of Finance through the Bank of Japan within twenty (20) days of receiving the Shares (provided, however, that if you acquire the Shares through a financial instruments firm in Japan, this requirement will not apply). In addition, if you are a resident of Japan and make or receive any cross-border payment of more than ¥30,000,000 you should file a report with the Minister of Finance via the Bank of Japan within ten (10) days. Please note that the timing and reporting requirement may vary depending on whether the relevant transaction is made through a bank in Japan; you are advised to consult your own advisor to confirm the precise requirements applicable to you.

#### **Korea**

Exchange control laws require Korean residents who realize US \$500,000 or more from the sale of Shares or the receipt of any dividends to repatriate the proceeds to Korea within eighteen (18) months of the sale or the receipt of the dividends, as applicable. However, separate sales may be deemed a single sale if the sole purpose of such separate sales was to avoid a sale exceeding the US \$500,000 threshold.

#### **Singapore**

This offer of a Option and the underlying Shares shall be made available only to an employee of the Company or its Affiliates, in reliance of the prospectus exemption set out in section 173(1)(f) the Securities and Futures Act (Chapter 289) of Singapore. In addition, you agree, by your acceptance of this offer, not to sell any Shares within six (6) months of the date of grant. Please note that neither this Restricted Stock Agreement nor any other document or material in connection with this offer of an Option and the Shares has been or will be lodged, registered or reviewed by any regulatory authority in Singapore.

You should not treat the contents of this document as advice relating to legal, taxation or investment matters and are advised to exercise caution in relation to the offer and to consult your own professional adviser(s) concerning the contents of this Agreement.

---

**Taiwan**

The Plan is not registered in Taiwan with the Securities and Futures Bureau and is not subject to the securities laws of Taiwan. You may acquire and remit foreign currency (including proceeds from the sale of Shares) into Taiwan up to US \$5,000,000 per year. Remittance of funds for the exercise of Options should be made through an authorized foreign exchange bank.

PDF SOLUTIONS, INC.  
2001 STOCK PLAN

**RESTRICTED STOCK AGREEMENT**

PDF Solutions, Inc., a Delaware corporation (the “Company”), hereby grants a Stock Purchase Right as set forth in this Restricted Stock Agreement (the “Agreement”) to you (the person to whom this Agreement is delivered). The Company’s 2001 Stock Plan (the “Plan”) is incorporated in, and made a part of, this Agreement. To the extent any capitalized terms used in this Agreement are not defined, they shall have the meaning ascribed to them in the Plan. In the event of a conflict between the terms and provisions of the Plan and the terms and provisions of this Agreement, the Plan terms and provisions shall prevail.

In consideration of the mutual agreements herein contained and intending to be legally bound hereby, the parties agree as follows:

1. **Stock Purchase Right.** Pursuant to the Plan, the Company hereby grants to you, and you hereby accept from the Company, a Stock Purchase Right consisting of the right to acquire the total number of “Shares Granted” set forth in the online Grant Summary provided by the Company or the Company’s designated third party broker, on the terms and conditions set forth herein and in the Plan.

2. **Vesting of Stock Purchase Right.** So long as your Service continues, the Stock Purchase Right shall vest in accordance to the Vesting Schedule in the online Grant Summary.

Only a whole number of restricted stock rights will vest in any period. Any fractional restricted stock right that would otherwise vest will be carried over to the next vesting period.

3. **Termination of Service.** In the event of the termination of your Service for any reason, the unvested portion of the Stock Purchase Right shall be immediately forfeited without consideration.

4. **Settlement of Stock Purchase Right.** Shares shall be issued at the time and to the extent that the Stock Purchase Right vests from time to time, provided that the Company shall have no obligation to issue Shares pursuant to this Agreement unless and until you have satisfied any applicable obligations pursuant to Section 5 below and such issuance otherwise complies with all applicable laws, rules and regulations. Prior to the time the Stock Purchase Right is settled upon vesting, you will have no rights other than those of a general creditor of the Company. The Stock Purchase Right represents an unfunded and unsecured obligation of the Company.

5. **Withholding Taxes.** You agree to make arrangements satisfactory to the Company for the satisfaction of any applicable tax or other obligations that arise in connection with the Stock Purchase Right and any Shares issued pursuant thereto. Specifically, in the Company’s sole discretion, by accepting this Agreement, you authorize the Company’s designated broker to, on each vesting date, sell that portion of any Shares that are issued upon vesting necessary to obtain sufficient proceeds to satisfy any applicable tax, withholding or other liability (note that the full amount of the proceeds will be applied to satisfy any applicable tax, withholding or other liability, even if it may exceed the minimum amount required to satisfy such tax, withholding or other liability). Notwithstanding the foregoing, any sale of your Shares must be made in compliance with all applicable laws, rules and regulations and the Company’s insider trading policies and no sales shall occur pursuant to this provision or otherwise unless and until such laws, rules and regulations are satisfied. The Company shall not be required to issue Shares pursuant to this Agreement unless and until the obligations described herein are satisfied.

---

6. **Tax and Legal Advice.** You represent, warrant and acknowledge that the Company has made no warranties or representations to you with respect to any applicable tax or legal consequences of the transactions contemplated by this Agreement and you are in no manner relying on the Company or the Company's representatives for an assessment of such tax or legal consequences. YOU UNDERSTAND THAT THE TAX AND OTHER LAWS AND REGULATIONS ARE SUBJECT TO CHANGE. YOU SHOULD CONSULT YOUR OWN TAX OR LEGAL ADVISOR REGARDING THIS AGREEMENT, THIS STOCK PURCHASE RIGHT AND SHARES TO BE ISSUED PURSUANT TO THIS STOCK PURCHASE RIGHT. YOU UNDERSTAND THAT THE COMPANY IS NOT PROVIDING ANY TAX OR LEGAL ADVICE, NOR IS THE COMPANY MAKING ANY RECOMMENDATION REGARDING YOUR ACCEPTANCE OF THIS GRANT. NOTHING STATED HEREIN IS INTENDED OR WRITTEN TO BE USED, AND CANNOT BE USED, FOR THE PURPOSE OF AVOIDING TAXPAYER PENALTIES.

7. **Non-Transferability of the Stock Purchase Right.** The Stock Purchase Right shall not be transferable other than by will or the laws of descent and distribution. The designation of a beneficiary or entry into a will or similar arrangement does not constitute a transfer. The terms of this Agreement shall be binding upon your executors, administrators, heirs, successors and assigns.

8. **Restriction on Transfer.** Regardless of whether the transfer or issuance of the Shares to be issued pursuant to this Stock Purchase Right have been registered under the Securities Act or have been registered or qualified under the securities laws of any state, the Company may impose additional restrictions upon the sale, pledge or other transfer of the Shares (including the placement of appropriate legends on stock certificates, if any, and the issuance of stop-transfer instructions to the Company's transfer agent) if, in the judgment of the Company and the Company's counsel, such restrictions are necessary in order to achieve compliance with the provisions of the Securities Act, the securities laws of any state, or any other law, including the laws of any other country.

9. **Representations, Warranties, Covenants, and Acknowledgments.** You hereby agree that, in the event the Company and the Company's counsel deem it necessary or advisable in the exercise of their discretion, the transfer or issuance of the Shares issued pursuant to this Stock Purchase Right may be conditioned upon you making certain representations, warranties, and acknowledgments relating to compliance with applicable securities laws.

---

10. **Compliance with Law.** Depending on your country of residence, there may be additional restrictions on this Stock Purchase Right or Shares to be issued pursuant to this Stock Purchase Right which are set forth in the attached Appendix A to this Restricted Stock Agreement. Furthermore, you understand that the laws of the country in which you are working at the time of grant or vesting of the Stock Purchase Right or at the subsequent sale of any Shares issued pursuant to the Stock Purchase Right (including any rules or regulations governing securities, foreign exchange, tax, labor or other matters), may subject you to additional procedural or regulatory requirements that you are solely responsible for and must independently fulfill in relation to the Stock Purchase Right or ownership or sale of Shares.

11. **Voting and Other Rights.** Subject to the terms of this Agreement, you shall not have any voting rights or any other rights and privileges of a stockholder of the Company unless and until Shares are issued upon vesting of this Stock Purchase Right.

12. **Authorization to Release Necessary Personal Information.** You hereby authorize and direct the Company to collect, use and transfer in electronic or other form, any personal information (the “Data”) regarding your employment, the nature and amount of your compensation and the facts and conditions of your participation in the Plan (including, but not limited to, your name, home address, telephone number, date of birth, social security number (or any other social or national identification number), salary, nationality, job title, number of Shares held and the details of all Awards or any other entitlement to Shares awarded, cancelled, exercised, vested, unvested or outstanding) for the purpose of implementing, administering and managing your participation in the Plan. You understand that the Data may be transferred to the Company or any of its Parent, Subsidiaries or Affiliates, or to any third parties assisting in the implementation, administration and management of the Plan, including any requisite transfer to a broker or other third party assisting with the administration of this Stock Purchase Right under the Plan or with whom Shares acquired pursuant to this Stock Purchase Right or cash from the sale of such Shares may be deposited. You acknowledge that recipients of the Data may be located in different countries, and those countries may have data privacy laws and protections different from those in the country of your residence. Furthermore, you acknowledge and understand that the transfer of the Data to the Company or any of its Parent, Subsidiaries or Affiliates, or to any third parties is necessary for your participation in the Plan. You may at any time withdraw the consents herein by contacting your local human resources representative in writing. You further acknowledge that withdrawal of consent may affect your ability to realize benefits from this Stock Purchase Right, and your ability to participate in the Plan.

13. **No Entitlement or Claims for Compensation.**

(a) Your rights, if any, in respect of or in connection with this Stock Purchase Right or any other Award are derived solely from the discretionary decision of the Company to permit you to participate in the Plan and to benefit from a discretionary Award. By accepting this Stock Purchase Right, you expressly acknowledge that there is no obligation on the part of the Company to continue the Plan and/or grant any additional Awards to you. This Stock Purchase Right is not intended to be compensation of a continuing or recurring nature or part of your normal or expected compensation, and in no way represents any portion of your salary, compensation or other remuneration for purposes of pension benefits, severance, redundancy, resignation or any other purpose.

---

(b) Neither the Plan nor this Stock Purchase Right or any other Award granted under the Plan shall be deemed to give you a right to become or remain an Employee, Consultant or Director of the Company, a Parent, a Subsidiary or an Affiliate. The Company, its Parents, Subsidiaries and Affiliates, reserve the right to terminate your Service at any time, with or without cause, and for any reason, subject to applicable laws, the Company's Articles of Incorporation and Bylaws and a written employment agreement (if any), and you shall be deemed irrevocably to have waived any claim to damages or specific performance for breach of contract or dismissal, compensation for loss of office, tort or otherwise with respect to the Plan, this Stock Purchase Right or any outstanding Award that is forfeited and/or is terminated by its terms or to any future Award.

14. **Notices.** Any notice required or permitted by this Agreement shall be in writing and shall be deemed sufficient when delivered personally or sent by telegram or fax or forty-eight (48) hours after being deposited in the mail, as certified or registered mail, with postage prepaid, and addressed to the Company at its principal corporate offices and to you at the address maintained for you in the Company's records.

15. **Entire Agreement; Enforcement of Rights.** This Agreement, including Appendix A hereto (which is attached to and is a part of this Agreement), together with the Plan, sets forth the entire agreement and understanding of the parties relating to the subject matter herein and therein and merges all prior discussions between the parties. Except as contemplated under the Plan, no modification of or amendment to this Agreement, nor any waiver of any rights under this Agreement, shall be effective unless in writing signed by the parties to this Agreement. The failure by either party to enforce any rights under this Agreement shall not be construed as a waiver of any rights of such party.

16. **Governing Law.** This Agreement and all acts and transactions pursuant hereto and the rights and obligations of the parties hereto shall be governed, construed and interpreted in accordance with the laws of the State of Delaware, without giving effect to principles of conflicts of law.

17. **Severability.** If one or more provisions of this Agreement are held to be unenforceable under applicable law, the parties agree to renegotiate such provision in good faith. In the event that the parties cannot reach a mutually agreeable and enforceable replacement for such provision, then (i) such provision shall be excluded from this Agreement, (ii) the balance of this Agreement shall be interpreted as if such provision were so excluded and (iii) the balance of this Agreement shall be enforceable in accordance with its terms.

18. **Successors and Assigns.** The rights and benefits of this Agreement shall inure to the benefit of, and be enforceable by, the Company's successors and assigns. The rights and obligations of you under this Agreement may not be assigned without the prior written consent of the Company.

---

19. **Electronic Delivery.** The Company may, in its sole discretion, decide to deliver any documents related to this Stock Purchase Right under the Plan and participation in the Plan or future Awards that may be granted under the Plan by electronic means or to request your consent to participate in the Plan by electronic means. You hereby consent to receive such documents by electronic delivery and, if requested, to agree to participate in the Plan through an on-line or electronic system established and maintained by the Company or a third party designated by the Company.

20. **Language.** If you have received this Agreement or any other document related to the Plan translated into a language other than English and if the translated version is different than the English version, the English version will control.

\* \* \* \*

You acknowledge that by electronically accepting this Agreement, you agree to be bound by all terms of this Agreement.

**PLEASE PRINT AND KEEP A COPY FOR YOUR RECORDS**

---

PDF SOLUTIONS, INC.  
2001 STOCK PLAN

**RESTRICTED STOCK AGREEMENT**

**APPENDIX A**

**This Appendix A includes additional specific terms that apply to you if you are resident in a non-U.S. country. This Appendix A is part of the Restricted Stock Agreement to which it is attached (the “Agreement”) and contains terms and conditions material to participation in the Plan. Unless otherwise provided below, capitalized terms used but not defined herein shall have the same meanings assigned to them in the Plan and the Agreement. You understand and agree that the Company is neither responsible for any foreign exchange fluctuations between your local currency and the U.S. Dollar that may affect the value of the Company’s Shares nor liable for any decrease in the value of the Shares.**

**China**

Your Award is also subject to the terms and conditions outlined in the separate China Addendum and Internal Control Policy, both of which are incorporated herein and form part of this Agreement. By accepting this Award, you acknowledge that you understand and agree to the terms and conditions of the China Addendum and Internal Control Policy.

**Italy**

You may be required to report on your annual tax return any transfer abroad in excess of EUR 10,000 and not delivered by an authorized Italian bank.

**Data Privacy Notice**

Pursuant to Legislative Decree no. 196/2003, the Controller of personal data processing and the Company’s representative in Italy for privacy purposes is PDF Solutions, Inc. Sede Secondaria in Italia, with registered offices at Piazza Meda 3, Milano 20100 Italy.

By accepting this Award, you agree to the following:

“I understand that data processing related to the purposes specified in this Agreement shall take place under automated or non-automated conditions, anonymously when possible, that comply with the purposes for which data are collected and with confidentiality and security provisions as set forth by applicable laws and regulations, with specific reference to Legislative Decree no. 196/2003.

The processing activity, including the communication and transfer of my data abroad, including outside of the European Union, as herein specified and pursuant to applicable laws and regulations, does not require my consent thereto as the processing is necessary for the performance of contractual obligations related to the implementation, administration and management of the Plan. I understand that the use of my data will be minimized where it is not necessary for the implementation, administration and management of the Plan. I further understand that, pursuant to Section 7 of the Legislative Decree no. 196/2003, I have the right to, including but not limited to, access, delete, update, ask for rectification of my data and stop, for legitimate reason, the data processing. Furthermore, I am aware that my data will not be used for direct marketing purposes.”

---

### **Japan**

If you are issued or transfer Shares with a value that exceeds ¥100,000,000, you must file a report with the Ministry of Finance through the Bank of Japan within twenty (20) days of receiving the Shares (provided, however, that if you acquire the Shares through a financial instruments firm in Japan, this requirement will not apply). In addition, if you are a resident of Japan and make or receive any cross-border payment of more than ¥30,000,000 you should file a report with the Minister of Finance via the Bank of Japan within ten (10) days. Please note that the timing and reporting requirement may vary depending on whether the relevant transaction is made through a bank in Japan; you are advised to consult your own advisor to confirm the precise requirements applicable to you.

### **Korea**

Exchange control laws require Korean residents who realize US \$500,000 or more from the sale of Shares or the receipt of any dividends to repatriate the proceeds to Korea within eighteen (18) months of the sale or the receipt of the dividends, as applicable. However, separate sales may be deemed a single sale if the sole purpose of such separate sales was to avoid a sale exceeding the US \$500,000 threshold.

### **Singapore**

This offer of a Stock Purchase Right and the underlying Shares shall be made available only to an employee of the Company or its Affiliates, in reliance of the prospectus exemption set out in section 173(1)(f) the Securities and Futures Act (Chapter 289) of Singapore. In addition, you agree, by your acceptance of this offer, not to sell any Shares within six (6) months of the date of grant. Please note that neither this Agreement nor any other document or material in connection with this offer of a Stock Purchase Right and the Shares has been or will be lodged, registered or reviewed by any regulatory authority in Singapore.

You should not treat the contents of this document as advice relating to legal, taxation or investment matters and are advised to exercise caution in relation to the offer and to consult your own professional adviser(s) concerning the contents of this Agreement.

### **Taiwan**

The Plan is not registered in Taiwan with the Securities and Futures Bureau and is not subject to the securities laws of Taiwan. You may acquire and remit foreign currency (including proceeds from the sale of Shares) into Taiwan up to US \$5,000,000 per year. Remittance of funds for the purchase of Shares should be made through an authorized foreign exchange bank.

## PDF SOLUTIONS, INC.

## 2001 STOCK PLAN

## STOCK OPTION AGREEMENT

## (FRANCE)

<b>The Plan and Other Agreements</b>	PDF Solutions, Inc., a Delaware corporation (the "Company"), hereby grants an Option as set forth in this Option Agreement (the "Agreement") to you (the person to whom this Agreement is delivered). The Company's 2001 Stock Plan (the "Plan") and the Sub-Plan to the PDF Solutions, Inc. 2001 Stock Plan France (the "Sub-Plan") are incorporated in, and made part of, this Agreement. Certain capitalized terms used in this Agreement are defined in the Plan, as amended by the Sub-Plan.
	This Agreement and the Plan (as amended by the Sub-Plan) constitute the entire understanding between you and the Company regarding this Option. Any prior agreements, commitments or negotiations concerning this Option are superseded.
<b>Preferential Tax Treatment</b>	This Option is intended to qualify for preferential treatment under French tax and social security laws.
<b>Number of Shares, Grant Date, Exercise Price</b>	The number of Shares subject to this Option, the Grant Date and the Exercise Price is set forth in the online grant summary.
<b>Vesting</b>	This Option will vest according to the Vesting Schedule in the online grant summary.
<b>Exercisability</b>	This Option is only exercisable on or after the one (1)-year anniversary of the Date of Option Grant and before the Option expires and then only with respect to the vested portion of the Option.
<b>Term</b>	Your Option will expire in any event (except in the case of your death) at the close of business at Company headquarters on the day before the one hundred fourteenth (114 <sup>th</sup> ) monthly anniversary of the Date of Option Grant, as shown on the cover sheet. Your Option will expire earlier if your Service terminates for any reason other than your death, as described below.
<b>Mandatory Holding Period</b>	The Shares you may acquire upon exercise of this Option are subject to a mandatory Holding Period, as follows. The Shares subject to this Option may not be transferred, assigned or hypothecated in any manner before the four (4)-year anniversary of the Date of Option Grant (the "Holding Period"), except where such transfer does not lead to any liability of the Company and the Subsidiary in terms of social security charges or in the event of a Change In Control, if the Company decides to waive this Holding Period. Any shares issued prior to the expiration of the Holding Period may be delivered with a legend to reflect the foregoing restrictions. All Shares subject to this Option which you may own at the time your Service terminates for any reason other than your death or Disability shall remain subject to the Holding Period .

**Termination – General**

If your Service terminates for any reason, other than for death, Disability or Cause, as defined below, then:

- The unvested portion of your Option, if any, will expire immediately upon your termination date.
- The vested portion of your Option, if any, will expire at the close of business at Company headquarters on the 90th day after your termination date; provided that, if you would be prohibited from exercising or selling the vested portion of your Option during the 90 days following your termination date because your Service terminates before the one-year or four-year, respectively, anniversary of the Date of Option Grant (see Exercisability and Mandatory Holding Period above), the vested portion of your Option, if any, will expire on the 90th day after the one-year or four-year, as applicable, anniversary of the Date of Option Grant.

**Termination for Cause**

If your Service is terminated for Cause, as determined by the Board in its sole discretion, then you shall immediately forfeit all rights to your Option and the Option shall immediately expire. For purposes of this Agreement, "Cause" shall mean the termination of your Service due to your commission of any act of fraud, embezzlement or dishonesty; any unauthorized use or disclosure of confidential information or trade secrets of the Company (or any Parent, Subsidiary or Affiliate); or any other intentional misconduct adversely affecting the business or affairs of the Company (or any Parent, Subsidiary or Affiliate) in a material manner. This definition shall not restrict in any way the Company's or any Parent's, Subsidiary's or Affiliate's right to discharge you for any other reason, nor shall this definition be deemed to be inclusive of all the acts or omissions which constitute "cause" for purposes other than this Agreement.

**Death**

If your Service terminates because of your death, then:

- The unvested portion of your Option, if any, will expire immediately upon your death.
- The vested portion of your Option, if any, will expire at the close of business at Company headquarters on the date twelve (12) months after the date of death, irrespective of the normal term of the Option except that, in no event, shall the Option continue beyond the close of business at Company headquarters on the tenth (10<sup>th</sup>) annual anniversary of the Date of Option Grant. Notwithstanding the foregoing, if your estate or heirs would be prohibited from exercising or selling the vested portion of your Option during the twelve (12) month period following the date of death because the date of death occurs before the one-year or four-year, respectively, anniversary of the Date of Option Grant (see Exercisability and Mandatory Holding Period above), the vested portion of your Option, if any, will expire on the date twelve (12) months after the one-year or the four-year, as applicable, anniversary of the Date of Option Grant. During this period, your estate or heirs may exercise and/or sell the vested portion of your Option.

**Disability**

If your Service terminates because of your Disability, then:

- The unvested portion of your Option, if any, will expire immediately upon your termination date.
- The vested portion of your Option, if any, will expire at the close of business at Company headquarters on the date twelve (12) months after your termination date; provided that, if you would be prohibited from exercising or selling the vested portion of your Option during the twelve (12) month period following your termination date because your Service terminates before the one-year or four-year, respectively, anniversary of the Date of Option Grant (see Exercisability and Mandatory Holding Period above), the vested portion of your Option, if any, will expire on the date twelve (12) months after the one-year or four-year, as applicable, anniversary of the Date of Option Grant.

**Leaves of Absence**

For purposes of this Option, your Service does not terminate when you go on a *bona fide* leave of absence that was approved by the Company in writing, if the terms of the leave provide for continued Service crediting, or when continued Service crediting is required by applicable law. However, your Service will be treated as terminating ninety (90) days after you went on leave, unless your right to return to active work is guaranteed by law or by a contract. Your Service terminates in any event when the approved leave ends unless you immediately return to active work.

The Company determines which leaves count for this purpose, and when your Service terminates for all purposes under the Plan.

**Notice of Exercise**

When you wish to exercise this Option, you must notify the Company by filing the proper “Notice of Exercise” form provided by the Company or its designated broker at the address given on the form. Your notice must specify how many Shares you wish to purchase. Your notice must also specify how your Shares should be registered (in your name only or in your and your spouse’s names as community property or as joint tenants with right of survivorship). The notice will be effective when it is received by the Company’s designated broker.

If someone else wants to exercise this Option after your death, that person must prove to the Company’s satisfaction that he or she is entitled to do so.

**Form of Payment**

When you submit your notice of exercise, you must include payment of the Exercise Price for the Shares you are purchasing. Payment may be made in one (or a combination) of the following forms:

- Cash, your personal check, a cashier’s check or a money order.
- Shares which have already been owned by you for more than six (6) months and which are surrendered to the Company. The Fair Market Value of the Shares, determined as of the effective date of the Option exercise, will be applied to the Exercise Price.
- To the extent a public market for the Shares exists as determined by the Company, by delivery (on a form prescribed by the Company) of an irrevocable direction to a securities broker to sell Shares and to deliver all or part of the sale proceeds to the Company in payment of the aggregate Exercise Price.

**Withholding Taxes**

You will not be allowed to exercise this Option unless you make acceptable arrangements to pay any withholding or other taxes that may be due as a result of the Option exercise or sale of Shares acquired under this Option.

**Restrictions on Exercise and Resale**

By accepting this Agreement, you agree not to exercise this Option or sell any Shares acquired under this Option at a time when applicable laws, regulations or Company or underwriter trading policies prohibit exercise, sale or issuance of Shares. The Company will not permit you to exercise this Option if the issuance of Shares at that time would violate any law or regulation. The Company shall have the right to designate one or more periods of time, each of which shall not exceed one hundred eighty (180) days in length, during which this Option shall not be exercisable if the Company determines (in its sole discretion) that such limitation on exercise could in any way facilitate a lessening of any restriction on transfer pursuant to the Securities Act or any state securities laws with respect to any issuance of securities by the Company, facilitate the registration or qualification of any securities by the Company under the Securities Act or any state securities laws, or facilitate the perfection of any exemption from the registration or qualification requirements of the Securities Act or any applicable state securities laws for the issuance or transfer of any securities. Such limitation on exercise shall not alter the vesting schedule set forth in this Agreement other than to limit the periods during which this Option shall be exercisable.

If the sale of Shares under the Plan is not registered under the Securities Act, but an exemption is available which requires an investment or other representation, you shall represent and agree at the time of exercise that the Shares being acquired upon exercise of this Option are being acquired for investment, and not with a view to the sale or distribution thereof, and shall make such other representations as are deemed necessary or appropriate by the Company and its counsel.

**Transfer of Option**

Prior to your death, only you may exercise this Option. You cannot transfer or assign this Option. For instance, you may not sell this Option or use it as security for a loan. If you attempt to do any of these things, this Option will immediately become invalid. You may, however, dispose of this Option in your will.

Regardless of any marital property settlement agreement, the Company is not obligated to honor a notice of exercise from your spouse, nor is the Company obligated to recognize your spouse's interest in your Option in any other way.

**Retention Rights**

Your Option or this Agreement does not give you the right to be retained by the Company (or any Parent or any Subsidiaries or Affiliates) in any capacity. The Company (or any Parent and any Subsidiaries or Affiliates) reserves the right to terminate your Service at any time and for any reason, subject to applicable laws. By accepting this Option, upon your termination of Service, you shall be deemed irrevocably to have waived any claim to future vesting, damages or specific performance for breach of contract or dismissal, compensation for loss of office, tort or otherwise with respect to the Plan (as amended by the Sub-Plan), this Option or any other option that is forfeited and/or is terminated by its terms or to any future option.

**Stockholder Rights**

You, or your estate or heirs, have no rights as a stockholder of the Company until a certificate for your Option's Shares has been issued. No adjustments are made for dividends or other rights if the applicable record date occurs before your stock certificate is issued, except as described in the Plan.

**Adjustments**

In the event of a stock split, a stock dividend or a similar change in the Company stock, the number of Shares covered by this Option (rounded up to the nearest whole number) and the exercise price per Share may be adjusted (and rounded down to the nearest whole number) pursuant to the Plan (as amended by the Sub-Plan). Your Option shall be subject to the terms of the agreement of merger, liquidation or reorganization in the event the Company is subject to such corporate activity.

**Legends**

All certificates representing the Shares issued upon exercise of this Option shall, where applicable, have endorsed thereon the following legends:

“THE SHARES REPRESENTED BY THIS CERTIFICATE MAY BE TRANSFERRED ONLY IN ACCORDANCE WITH THE TERMS OF AN AGREEMENT BETWEEN THE COMPANY AND THE STOCKHOLDER, A COPY OF WHICH IS ON FILE WITH THE SECRETARY OF THE COMPANY ISSUING THE SHARES REPRESENTED BY THIS CERTIFICATE.”

**Applicable Law**

This Agreement will be interpreted and enforced under the laws of the State of Delaware.

**French Securities Laws**

Note that neither the Plan nor the Sub-Plan entails the issue of an information memorandum receiving the visa of the Autorité des Marchés Financiers and the Plan and the Sub-Plan have not been authorized by the Autorité des Marchés Financiers. You can only participate in the Plan to your own account in accordance with the provisions of French Decree no. 2006-557 of May 16, 2006, such as codified in Articles D.411-1 to D.411-4 of the French Financial and Monetary Code. The direct or indirect diffusion to the public in France of the financial instruments acquired as a result of participation in the Plan is strictly limited and may only be carried out in accordance with Articles L.411-1, L.411-2, L.412-1 and L.621-8 to L.621-8-3 of the French Financial and Monetary Code.

**Data Protection**

Optionee acknowledges that the Company, its Subsidiaries and its Affiliates may process confidential or sensitive personal data about Optionee. Such data includes but is not limited to appropriate personal and financial data about Optionee. Optionee hereby gives explicit consent to the Company to process any such personal data and/or sensitive personal data. Optionee also hereby gives explicit consent to the Company to transfer any such personal data and/or confidential or sensitive personal data outside the country in which Optionee is employed, as well as to the providers of benefits or administration services to the Company or employees, and Optionee agrees to the processing, disclosing and transmitting of such information as is disclosed. The legal person for whom such personal data is intended is the Company (or any of its Subsidiaries or Affiliates). Optionee understands that he/she has the right of access and correction to his/her personal data by making a request to the Company's Secretary. Optionee further understands that the Company or a Subsidiary may report information regarding this Option to any tax authorities and other governmental agencies as may be required to comply with applicable law.

**No Entitlements**

Optionee's rights, if any, in respect of or in connection with this Option are derived solely from the discretionary decision of the Company to permit the Optionee to participate in the Plan (as amended by the Sub-Plan) and to benefit from a discretionary Option. By accepting this Option, Optionee expressly acknowledges that there is no obligation on the part of the Company to continue the Plan or the Sub-Plan and/or grant any additional options to Optionee. This Option is not intended to be compensation of a continuing or recurring nature, or part of a Optionee's normal or expected compensation, and in no way represents any portion of Optionee's salary, compensation, or other remuneration for purposes of pension benefits, severance, redundancy, resignation or any other purpose.

*By accepting this Agreement electronically on the website of the Company's designated broker, you agree to all of the terms and conditions described above and in the Plan, as amended by the Sub-Plan.*

**PDF SOLUTIONS, INC.**  
**2001 STOCK PLAN**  
**RESTRICTED STOCK AGREEMENT**  
**(FRANCE QUALIFIED)**

PDF Solutions, Inc., a Delaware corporation (the “Company”), hereby grants a Stock Purchase Right as set forth in this Restricted Stock Agreement (the “Agreement”) to you (the person to whom this Agreement is delivered). The Company’s 2001 Stock Plan (the “Plan”) and the Sub-Plan to the PDF Solutions, Inc. 2001 Stock Plan Qualified Restricted Stock (France) (the “Restricted Stock Sub-Plan”) are incorporated in, and made part of, this Agreement. To the extent any capitalized terms used in this Agreement are not defined, they shall have the meaning ascribed to them in the Plan and/or the Restricted Stock Sub-Plan. In the event of a conflict between the terms and provisions of the Plan or the Restricted Stock Sub-Plan and the terms and provisions of this Agreement, the Plan and Restricted Stock Sub-Plan terms and provisions shall prevail.

In consideration of the mutual agreements herein contained and intending to be legally bound hereby, the parties agree as follows:

1. **Stock Purchase Right**. Pursuant to the Plan and the Restricted Stock Sub-Plan, the Company hereby grants to you, and you hereby accept from the Company, a Stock Purchase Right consisting of the right to acquire the total number of “Shares Granted” set forth in the online grant summary provided by the Company or the Company’s designated broker, on the terms and conditions set forth herein and in the Plan and Restricted Stock Sub-Plan.
  2. **Vesting of Stock Purchase Right**. So long as your Service continues for the full duration of the Acquisition Period and you have complied with the conditions set forth in the Restricted Stock Sub-Plan, the Stock Purchase Right shall vest in accordance with the Vesting Schedule in the online grant summary, but in any event the first vesting event will be at least two years from the Date of Grant. Your Service will not terminate as long as you are on a bona fide leave of absence that is authorized by French law. Notwithstanding the foregoing and if, and to the extent, allowed under applicable French law, upon a consummation of a Change in Control any unvested portion of the Stock Purchase Right will fully vest. Further, if your Service terminates due to your death, any unvested portion of the Stock Purchase Right will fully vest. In the event of any such acceleration of vesting upon your death, your heirs may request delivery of the Shares underlying your Stock Purchase Rights within a period of six (6) months following your death. If your heirs do not make such a request within such period, the Shares will be delivered to your heirs in accordance with the vesting schedule set forth above.
  3. **Termination of Service**. Except as set forth in Section 2 above, in the event of the termination of your Service for any reason, the unvested portion of the Stock Purchase Right shall be immediately forfeited without consideration.
  4. **Settlement of Stock Purchase Right**. Shares shall be issued at the time and to the extent that the Stock Purchase Right vests from time to time, provided that the Company shall have no obligation to issue Shares pursuant to this Agreement unless and until you have satisfied any applicable obligations pursuant to Section 5 below and such issuance otherwise complies with all applicable laws, rules and regulations. Prior to the time the Stock Purchase Right is settled upon vesting, you will have no rights other than those of a general creditor of the Company. The Stock Purchase Right represents an unfunded and unsecured obligation of the Company.
-

5. **Withholding Taxes.** You agree to make arrangements satisfactory to the Company for the satisfaction of any applicable tax or other obligations that arise in connection with the Stock Purchase Right and any Shares issued pursuant thereto. Notwithstanding the foregoing, any sale of your Shares must be made in compliance with all applicable laws, rules and regulations and the Company's insider trading policies and no sales shall occur pursuant to this provision or otherwise unless and until such laws, rules and regulations are satisfied. The Company shall not be required to issue Shares pursuant to this Agreement unless and until the obligations described herein are satisfied.

6. **Tax and Legal Advice.** You represent, warrant and acknowledge that the Company has made no warranties or representations to you with respect to any applicable tax or legal consequences of the transactions contemplated by this Agreement and you are in no manner relying on the Company or the Company's representatives for an assessment of such tax or legal consequences. YOU UNDERSTAND THAT THE TAX AND OTHER LAWS AND REGULATIONS ARE SUBJECT TO CHANGE. YOU SHOULD CONSULT YOUR OWN TAX OR LEGAL ADVISOR REGARDING THIS AGREEMENT, THIS STOCK PURCHASE RIGHT AND SHARES TO BE ISSUED PURSUANT TO THIS STOCK PURCHASE RIGHT. YOU UNDERSTAND THAT THE COMPANY IS NOT PROVIDING ANY TAX OR LEGAL ADVICE, NOR IS THE COMPANY MAKING ANY RECOMMENDATION REGARDING YOUR ACCEPTANCE OF THIS GRANT. NOTHING STATED HEREIN IS INTENDED OR WRITTEN TO BE USED, AND CANNOT BE USED, FOR THE PURPOSE OF AVOIDING TAXPAYER PENALTIES.

7. **Holding Period.** The Shares that shall be issued to you at vesting will be subject to a mandatory Holding Period of two years, save the cases of death and Disability, as further described in the Restricted Stock Sub-Plan. All Shares issued at vesting of your Stock Purchase Rights which you may own at the time your Service terminates for any reason other than your death or Disability shall remain subject to the Holding Period.

8. **Public Diffusion.** Note that the grant of your Stock Purchase Rights does not qualify as a direct or indirect diffusion to the public in France of financial instruments governed by Articles L.411-1 and L.411-2 of the French Financial and Monetary Code (*Code Monétaire et Financier*). Therefore, neither the Plan nor the Restricted Stock Sub-Plan entails the issue of an information memorandum receiving the visa of the Autorité des Marchés Financiers and the Plan and the Restricted Stock Sub-Plan have not been authorized by the Autorité des Marchés Financiers.

9. **Non-Transferability of the Stock Purchase Right.** The Stock Purchase Right is personal to each Key Employee and it cannot be transferred, pledged or otherwise assigned by a Key Employee, including to a trustee of any trust or any similar institution of any kind. The only exception is for transfers that occur through succession to legal beneficiaries in the case of death of a Key Employee. The terms of this Agreement shall be binding upon your executors, heirs and successors.

---

10. **Restriction on Transfer**. Regardless of whether the transfer or issuance of the Shares to be issued pursuant to this Stock Purchase Right have been registered or qualified under the securities laws of any country or state, the Company may impose additional restrictions upon the sale, pledge or other transfer of the Shares (including the placement of appropriate legends on stock certificates, if any, and the issuance of stop-transfer instructions to the Company's transfer agent) if, in the judgment of the Company and the Company's counsel, such restrictions are necessary in order to achieve compliance with the provisions of all applicable law, including the securities laws of any state or any other country.

11. **Representations, Warranties, Covenants, and Acknowledgments**. You hereby agree that, in the event the Company and the Company's counsel deem it necessary or advisable in the exercise of their discretion, the transfer or issuance of the Shares issued pursuant to this Stock Purchase Right may be conditioned upon you making certain representations, warranties, and acknowledgments relating to compliance with applicable securities laws.

12. **Compliance with Law**. Depending on your country of residence, there may be additional restrictions on this Stock Purchase Rights or Shares to be issued pursuant to this Stock Purchase Right which are set forth in the Restricted Stock Sub-Plan. Furthermore, you understand that the laws of the country in which you are working at the time of grant or vesting of the Stock Purchase Right or at the subsequent sale of any Shares issued pursuant to the Stock Purchase Right (including any rules or regulations governing securities, foreign exchange, tax, labor or other matters), may subject you to additional procedural or regulatory requirements that you are solely responsible for and must independently fulfill in relation to the Stock Purchase Right or ownership or sale of Shares.

13. **Voting and Other Rights**. Subject to the terms of this Agreement, you shall not have any voting rights or any other rights and privileges of a stockholder of the Company unless and until Shares are issued upon vesting of this Stock Purchase Right.

14. **Authorization to Release Necessary Personal Information**. You hereby authorize and direct your employer and, if different, the Company, to collect, use and transfer in electronic or other form, any personal information (the "Data") regarding your employment, the nature and amount of your compensation and the facts and conditions of your participation in the Plan and the Restricted Stock Sub Plan (including, but not limited to, your name, home address, telephone number, date of birth, social security number (or any other social or national identification number), salary, nationality, job title, number of Shares held and the details of all Awards or any other entitlement to Shares awarded, cancelled, exercised, vested, unvested or outstanding) for the purpose of implementing, administering and managing your participation in the Plan and the Restricted Stock Sub Plan. You understand that the Data may be transferred to the Company or any of its Parent, Subsidiaries or Affiliates, or to any third parties assisting in the implementation, administration and management of the Plan and the Restricted Stock Sub Plan, including any requisite transfer to a broker or other third party assisting with the administration of this Stock Purchase Right under the Plan and the Restricted Stock Sub Plan or with whom Shares acquired pursuant to this Stock Purchase Right or cash from the sale of such Shares may be deposited. You acknowledge that recipients of the Data may be located in different countries, and those countries may have data privacy laws and protections different from those in the country of your residence. Furthermore, you acknowledge and understand that the transfer of the Data to the Company or any of its Parent, Subsidiaries or Affiliates, or to any third parties is necessary for your participation in the Plan and the Restricted Stock Sub Plan. You may at any time withdraw the consents herein by contacting your local human resources representative in writing. You further acknowledge that withdrawal of consent may affect your ability to realize benefits from this Stock Purchase Right, and your ability to participate in the Plan and the Restricted Stock Sub Plan.

---

15. **No Entitlement or Claims for Compensation.**

(a) Your rights, if any, in respect of or in connection with this Stock Purchase Right or any other Award are derived solely from the discretionary decision of the Company to permit you to participate in the Plan and the Restricted Stock Sub Plan and to benefit from a discretionary Award. By accepting this Stock Purchase Right, you expressly acknowledge that there is no obligation on the part of the Company to continue the Plan, the Restricted Stock Sub Plan and/or grant any additional Awards to you. This Stock Purchase Right is not intended to be compensation of a continuing or recurring nature or part of your normal or expected compensation, and in no way represents any portion of your salary, compensation or other remuneration for purposes of pension benefits, severance, redundancy, resignation or any other purpose.

(b) Neither the Plan, the Restricted Stock Sub Plan, nor this Stock Purchase Right or any other Award granted under the Plan or the Restricted Stock Sub Plan shall be deemed to give you a right to become or remain an Employee, Consultant or Director of the Company, a Parent, a Subsidiary or an Affiliate. The Company, its Parents, Subsidiaries and Affiliates, reserve the right to terminate your Service at any time, with or without cause, and for any reason, subject to applicable laws, the Company's Articles of Incorporation and Bylaws and a written employment agreement (if any), and you shall be deemed irrevocably to have waived any claim to damages or specific performance for breach of contract or dismissal, compensation for loss of office, tort or otherwise with respect to the Plan, the Restricted Stock Sub Plan, this Stock Purchase Right or any outstanding Award that is forfeited and/or is terminated by its terms or to any future Award.

16. **Notices.** Any notice required or permitted by this Agreement shall be in writing and shall be deemed sufficient when delivered personally or sent by telegram or fax or forty-eight (48) hours after being deposited in the mail, as certified or registered mail, with postage prepaid, and addressed to the Company at its principal corporate offices and to you at the address maintained for you in the Company's records.

17. **Entire Agreement; Enforcement of Rights.** This Agreement, together with the Plan and the Restricted Stock Sub-Plan, sets forth the entire agreement and understanding of the parties relating to the subject matter herein and therein and merges all prior discussions between the parties. Except as contemplated under the Plan, no modification of or amendment to this Agreement, nor any waiver of any rights under this Agreement, shall be effective unless in writing signed by the parties to this Agreement. The failure by either party to enforce any rights under this Agreement shall not be construed as a waiver of any rights of such party.

---

18. **Governing Law.** This Agreement and all acts and transactions pursuant hereto and the rights and obligations of the parties hereto shall be governed, construed and interpreted in accordance with the laws of the State of Delaware, without giving effect to principles of conflicts of law.

19. **Severability.** If one or more provisions of this Agreement are held to be unenforceable under applicable law, the parties agree to renegotiate such provision in good faith. In the event that the parties cannot reach a mutually agreeable and enforceable replacement for such provision, then (i) such provision shall be excluded from this Agreement, (ii) the balance of this Agreement shall be interpreted as if such provision were so excluded and (iii) the balance of this Agreement shall be enforceable in accordance with its terms.

20. **Successors and Assigns.** The rights and benefits of this Agreement shall inure to the benefit of, and be enforceable by, the Company's successors and assigns.

21. **Electronic Delivery.** The Company may, in its sole discretion, decide to deliver any documents related to this Stock Purchase Right under the Plan and the Restricted Stock Sub Plan and participation in the Plan and the Restricted Stock Sub Plan or future Awards that may be granted under the Plan and the Restricted Stock Sub Plan by electronic means or to request your consent to participate in the Plan and the Restricted Stock Sub Plan by electronic means. You hereby consent to receive such documents by electronic delivery and, if requested, to agree to participate in the Plan and the Restricted Stock Sub Plan through an on-line or electronic system established and maintained by the Company or a third party designated by the Company.

22. **Language.** This Agreement, the Plan and the Restricted Stock Sub-Plan shall be translated into French, but if the translated version is different than the English version, the English version will control.

\* \* \* \*

You acknowledge that by electronically accepting this Agreement, you agree to be bound by all terms of this Agreement.

**PLEASE PRINT AND KEEP A COPY FOR YOUR RECORDS**



June 10, 2011

Mr. Michael Shahbazian  
1291 Estate Drive  
Los Altos, CA 94024

***Hand Delivery***

**Re: Employment Offer – Temporary Position**

Dear Michael,

On behalf of PDF Solutions, Inc., I am pleased to extend to you this offer of temporary employment initially for a period of three (3) months, with possible extension on a monthly basis. Upon approval by the Board of Directors on or about June 17, 2011, your title will be that of Interim Chief Financial Officer, reporting to John Kibarian. You will be based in our San Jose office at 333 W. San Carlos Street, Suite 700, San Jose, CA 95110. This offer of employment with PDF is conditioned upon your acceptance, in writing, of the terms and conditions as enumerated below.

This initial assignment will be from June 10, 2011 to September 10, 2011, however your temporary employment is “at-will” and may be terminated at any time by the Company for any reason or no reason, without obligation or liability beyond payment for time worked as set forth below plus one (1) day’s “notice.” In any event, without any such earlier termination or a written extension signed by an authorized officer of the Company, September 10, 2011 is the end of your temporary employment hereunder.

1. **Compensation.** Commencing on your Start Date (as defined below), you shall be paid semi-monthly at the rate of **\$11,250** per payroll period. Your salary shall be paid in accordance with the Company's standard payroll policies (subject to applicable withholding taxes as required by law).
  2. **Restricted Stock Units.** As an inducement to join the Company, subject to the approval of the Company’s Board of Directors, you will be granted a restricted stock unit (“RSU”) for 9,000 shares of the Company’s Common Stock, which will vest in three equal installments over the initial assignment period, starting upon approval of the RSUs by the Company’s Board of Directors. The RSUs will be subject to the terms of the Company’s 2001 Stock Plan and/or an RSU Agreement to be entered into between you and the Company.
  3. **Start Date.** Subject to fulfillment of the conditions imposed by this letter agreement, it is anticipated you will commence your new position with the Company on **June 10, 2011**.
-

4. **General Duties.** During the term of your employment, you agree that at all times and to the best of your ability you will loyally and conscientiously perform all of the duties and obligations required of you in your job and by the Company. You further agree that you will not render commercial or professional services of any nature to any person or organization, whether or not for compensation, without the prior written consent of the Company, and that you will not directly or indirectly engage in or participate in any business that is competitive in any manner with the business of the Company. You also agree to comply with any and all policies of the Company as in effect from time to time.
  5. **Proof of Right to Work.** In compliance with federal immigration laws, you will be required to provide to the Company documentary evidence of your identity and eligibility for employment in the United States. Such documentation must be provided within three (3) business days of your date of hire. Your failure to meet this condition could result in termination of your employment with the Company.
  6. **Benefits.** During the term of your temporary employment, you will be entitled to Company sponsored benefit programs, e.g. medical coverage, holidays, paid time off, established by the Company for its regular full-time employees. This does not include the 401(k), flexible spending, or ESPP program.
  7. **Confidential Information and Invention Assignment Agreement.** Your acceptance of this offer and commencement of employment with the Company is contingent upon your execution of the Company's Confidential Information and Invention Assignment Agreement (the "Confidentiality Agreement"), a copy of which is enclosed for your review. An executed copy of the Confidentiality Agreement must be delivered to the PDF Human Resources Department on or before your Start Date. The Confidentiality Agreement relates to confidential information received in regards to the Company's business, technology, and intellectual property, as well as information about the Company's customers. The Confidentiality Agreement also addresses the Company's ownership of intellectual property generated during your employment at the Company. You are required, to the best of your ability, to hold such information as confidential even after an event terminating your employment with the Company.
  8. **At-Will Employment and Other Conditions.** Your employment will be at-will, meaning that you or PDF may terminate the employment relationship at any time, with or without cause, with or without notice ("At-Will"). This offer is contingent upon: (i) receiving satisfactory references from former employers, (ii) satisfactory completion of a background investigation, (iii) verification of your right to work in the United States, as demonstrated by your completion of the I-9 form upon hire and your submission of acceptable documentation (as noted on the I-9 form) verifying your identity and work authorization within three days of starting employment. (iv) your execution of PDF's Agreements and Policies as enclosed, that need to be executed prior to commencing work and (v) PDF's receiving verification that you hold the following qualification(s) as listed in your resume. Your failure to meet these conditions individually or collectively could result in termination of your employment with the Company.
-

Mr. Michael Shahbazian  
Page 3 of 4  
June 10, 2011

We are all delighted to be able to extend you this offer and look forward to working with you. To indicate your acceptance of this offer, please sign and date this letter in the space provided below and return a scanned copy to Gail Shih by email to [gail.shih@pdf.com](mailto:gail.shih@pdf.com).

**THIS OFFER EXPIRES AT 6:00 PM ON JUNE 10, 2011**

Sincerely,  
PDF SOLUTIONS, INC.

/s/ JOHN KIBARIAN

John K. Kibarian  
President, Chief Executive Officer, and Director

---

Mr. Michael Shahbazian  
Page 4 of 4  
June 10, 2011

**ACKNOWLEDGMENTS & ACCEPTANCE**

I accept this employment offer with the understanding that it is not a contract for a fixed term or specified period of time regardless of any specific dates set forth above. I understand that my employment is voluntary ("At Will") and can be terminated either by me or by the company at any time, with or without prior notice (regardless of the requirement to pay a "notice" period set forth above) and with or without cause. These provisions supersede all prior representations or agreements, whether written or oral. This offer letter may not be modified or amended except by a written agreement, signed by the company and me.

***THE FOREGOING TERMS AND CONDITIONS  
ARE HEREBY AGREED TO AND ACCEPTED:***

Signed: /s/ MICHAEL SHAHBAZIAN  
Name: Michael Shahbazian  
Date: 6/10/11  
Anticipated Start Date: June 10, 2011

## CERTIFICATIONS

I, John K. Kibarian, certify that:

1. I have reviewed this quarterly report on Form 10-Q of PDF Solutions, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

By: /s/ John K. Kibarian  
John K. Kibarian  
*President and Chief Executive Officer*  
*(Principal Executive Officer)*

Date: August 9, 2011

## CERTIFICATIONS

I, Michael Shahbazian, certify that:

1. I have reviewed this quarterly report on Form 10-Q of PDF Solutions, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

By: /s/ Michael Shahbazian  
Michael Shahbazian  
Vice President, Interim Chief Financial Officer  
(Principal Financial Officer)

Date: August 9, 2011

**CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350,  
AS ADOPTED PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of PDF Solutions, Inc. (the "Company") on Form 10-Q for the quarter ended June 30, 2011 as filed with the Securities and Exchange Commission on August 9, 2011 (the "Report"), I, John K. Kibarian, President and Chief Executive Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that, to my knowledge:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and result of operations of the Company.

By: /s/ John K. Kibarian  
John K. Kibarian  
*President and Chief Executive Officer*  
*(Principal Executive Officer)*

Date: August 9, 2011

**CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350,  
AS ADOPTED PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of PDF Solutions, Inc. (the "Company") on Form 10-Q for the quarter ended June 30, 2011 as filed with the Securities and Exchange Commission on August 9, 2011 (the "Report"), I, Michael Shahbazian, Vice President, Interim Chief Financial Officer, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that, to my knowledge:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and result of operations of the Company.

By: /s/ Michael Shahbazian  
Michael Shahbazian  
Vice President, Interim Chief Financial Officer  
*(Principal Financial Officer)*

Date: August 9, 2011