

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2021 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2021 or fiscal plan year beginning <u>01/01/2021</u> and ending <u>12/31/2021</u>	
A	This return/report is for: ☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
	☒ a single-employer plan ☐ a DFE (specify) _____
B	This return/report is: ☐ the first return/report ☐ an amended return/report ☐ the final return/report ☐ a short plan year return/report (less than 12 months)
C	If the plan is a collectively-bargained plan, check here. ▶ ☐
D	Check box if filing under: ☒ Form 5558 ☐ special extension (enter description) ☐ automatic extension ☐ the DFVC program
E	If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ▶ ☐

Part II	Basic Plan Information—enter all requested information
1a	Name of plan <u>PDF SOLUTIONS, INC. 401(K) PLAN</u>
1b	Three-digit plan number (PN) ▶ <u>001</u>
1c	Effective date of plan <u>01/01/1999</u>
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>PDF SOLUTIONS, INC.</u> <u>2858 DE LA CRUZ BLVD.</u> <u>SANTA CLARA, CA 95050</u>
2b	Employer Identification Number (EIN) <u>25-1701361</u>
2c	Plan Sponsor's telephone number <u>408-938-6483</u>
2d	Business code (see instructions) <u>541600</u>

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/12/2022	LORAN BARNETT
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

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v. 210624

3a Plan administrator's name and address ☒ Same as Plan Sponsor		3b Administrator's EIN	
		3c Administrator's telephone number	
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name		4b EIN 4d PN	
5 Total number of participants at the beginning of the plan year		5	297
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).			
a(1) Total number of active participants at the beginning of the plan year.....		6a(1)	208
a(2) Total number of active participants at the end of the plan year		6a(2)	204
b Retired or separated participants receiving benefits.....		6b	0
c Other retired or separated participants entitled to future benefits		6c	91
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d	295
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e	1
f Total. Add lines 6d and 6e		6f	296
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)		6g	292
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested		6h	0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item).....		7	
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2F 2G 2J 2K 2T 3D 3H			
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:			
9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor		9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)			
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary		b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☐ <u>0</u> A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☐ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)	

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2021 Form M-1 annual report. If the plan was not required to file the 2021 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2021
		This Form is Open to Public Inspection.

For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021		
A Name of plan PDF SOLUTIONS, INC. 401(K) PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 PDF SOLUTIONS, INC.	D Employer Identification Number (EIN) 25-1701361	

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a** Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☒ Yes ☐ No
- b** If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL
04-2647786

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

FIDELITY INVESTMENTS INSTITUTIONAL

04-2647786

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
37 64 65	RECORDKEEPER	27181	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

STRATEGIC ADVISORS, INC.

04-2654524

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27	ADVISOR	8194	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2021 This Form is Open to Public Inspection
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For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021		
A Name of plan PDF SOLUTIONS, INC. 401(K) PLAN	B Three-digit plan number (PN) ►	001
C Plan sponsor's name as shown on line 2a of Form 5500 PDF SOLUTIONS, INC.	D Employer Identification Number (EIN) 25-1701361	

Part I	Asset and Liability Statement
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1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a	0	0
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	0	0
(2) Participant contributions.....	1b(2)	0	0
(3) Other	1b(3)	0	0
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)	2245012	2702775
(2) U.S. Government securities	1c(2)	0	0
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)	0	0
(B) All other	1c(3)(B)	0	0
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)	0	0
(B) Common	1c(4)(B)	0	0
(5) Partnership/joint venture interests	1c(5)	0	0
(6) Real estate (other than employer real property)	1c(6)	0	0
(7) Loans (other than to participants)	1c(7)	0	0
(8) Participant loans	1c(8)	56305	100212
(9) Value of interest in common/collective trusts.....	1c(9)	0	0
(10) Value of interest in pooled separate accounts	1c(10)	0	0
(11) Value of interest in master trust investment accounts.....	1c(11)	0	0
(12) Value of interest in 103-12 investment entities	1c(12)	0	0
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)	53352590	64394860
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	0	0
(15) Other.....	1c(15)	0	0

		(a) Beginning of Year	(b) End of Year
1d Employer-related investments:			
(1) Employer securities.....	1d(1)	0	0
(2) Employer real property.....	1d(2)	0	0
e Buildings and other property used in plan operation	1e	0	0
f Total assets (add all amounts in lines 1a through 1e)	1f	55653907	67197847

Liabilities

g Benefit claims payable	1g	0	0
h Operating payables	1h	0	0
i Acquisition indebtedness.....	1i	0	0
j Other liabilities.....	1j	0	0
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	55653907	67197847
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Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	0	
(B) Participants	2a(1)(B)	4393132	
(C) Others (including rollovers).....	2a(1)(C)	3306337	
(2) Noncash contributions.....	2a(2)	0	7699469
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit).....	2b(1)(A)	272	
(B) U.S. Government securities	2b(1)(B)	0	
(C) Corporate debt instruments	2b(1)(C)	0	
(D) Loans (other than to participants)	2b(1)(D)	0	
(E) Participant loans.....	2b(1)(E)	4905	
(F) Other	2b(1)(F)	0	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		5177
(2) Dividends: (A) Preferred stock.....	2b(2)(A)	0	3485685
(B) Common stock	2b(2)(B)	0	
(C) Registered investment company shares (e.g. mutual funds).....	2b(2)(C)	3485685	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		3485685
(3) Rents	2b(3)		0
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	0	0
(B) Aggregate carrying amount (see instructions).....	2b(4)(B)	0	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	0	0
(B) Other	2b(5)(B)	0	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts.....	2b(6)		0
(7) Net investment gain (loss) from pooled separate accounts.....	2b(7)		0
(8) Net investment gain (loss) from master trust investment accounts.....	2b(8)		0
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		5803005
c Other income.....	2c		0
d Total income. Add all income amounts in column (b) and enter total.....	2d		16993336
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers.....	2e(1)	5414021	
(2) To insurance carriers for the provision of benefits.....	2e(2)	0	
(3) Other.....	2e(3)	0	
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		5414021
f Corrective distributions (see instructions).....	2f		0
g Certain deemed distributions of participant loans (see instructions).....	2g		0
h Interest expense.....	2h		0
i Administrative expenses: (1) Professional fees.....	2i(1)	0	
(2) Contract administrator fees.....	2i(2)	0	
(3) Investment advisory and management fees.....	2i(3)	8194	
(4) Other.....	2i(4)	27181	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		35375
j Total expenses. Add all expense amounts in column (b) and enter total.....	2j		5449396
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d.....	2k		11543940
l Transfers of assets:			
(1) To this plan.....	2l(1)		0
(2) From this plan.....	2l(2)		0

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: FRANK, RIMERMAN CO. LLP

(2) EIN: 94-1341042

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.).....

	Yes	No	Amount
4a	X		908

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)			
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		5000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)			
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4k		X	
l Has the plan failed to provide any benefit when due under the plan?			
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n		X	
5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?..... ☐ Yes ☒ No If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.			
5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)			
5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)	
5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.			

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2021 This Form is Open to Public Inspection.
---	--	---

For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

A Name of plan <u>PDF SOLUTIONS, INC. 401(K) PLAN</u>	B Three-digit plan number (PN) ▶ <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>PDF SOLUTIONS, INC.</u>	D Employer Identification Number (EIN) <u>25-1701361</u>

Part I	Distributions
---------------	----------------------

All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....	1
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): <u>04-6568107</u> Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.	
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year	3

Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
----------------	---

4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)?	☐ Yes	☐ No	☐ N/A
If the plan is a defined benefit plan, go to line 8.			
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.			
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)	6a		
b Enter the amount contributed by the employer to the plan for this plan year	6b		
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)	6c		
If you completed line 6c, skip lines 8 and 9.			
7 Will the minimum funding amount reported on line 6c be met by the funding deadline?	☐ Yes	☐ No	☐ N/A
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?	☐ Yes	☐ No	☐ N/A

Part III	Amendments
-----------------	-------------------

9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box.....	☐ Increase	☐ Decrease	☐ Both	☐ No
--	-----------------------------------	-----------------------------------	-------------------------------	-----------------------------

Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
----------------	---

10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?	☐ Yes	☐ No
11 a Does the ESOP hold any preferred stock?	☐ Yes	☐ No
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)	☐ Yes	☐ No
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?	☐ Yes	☐ No

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Schedule R (Form 5500) 2021
v. 201209

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

- 14** Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:

a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....

14a

b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....

14b

c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....

14c

- 15** Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a The corresponding number for the plan year immediately preceding the current plan year.....

15a

b The corresponding number for the second preceding plan year

15b

- 16** Information with respect to any employers who withdrew from the plan during the preceding plan year:

a Enter the number of employers who withdrew during the preceding plan year

16a

b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....

16b

- 17** If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment..... ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

- 18** If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment..... ☐

- 19** If the total number of participants is 1,000 or more, complete lines (a) through (c)

a Enter the percentage of plan assets held as:

Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%

b Provide the average duration of the combined investment-grade and high-yield debt:

☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

c What duration measure was used to calculate line 19(b)?

☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____

- 20 PBGC missed contribution reporting requirements.** If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

☐ Yes.

☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

☐ No. Other. Provide explanation _____

PDF Solutions, Inc. 401(k) Plan
(Employer Identification Number 25-1701361)
(Plan Number 001)
Supplemental Schedule Accompanying Form 5500
Schedule H, Line 4a - Schedule of Delinquent Participant Contributions
Year Ended December 31, 2021

<u>Total Constituting Nonexempt Prohibited Transactions</u>				
<u>Contributions Transferred Late to Plan</u>	<u>Contributions not Corrected</u>	<u>Contributions Corrected Outside VFCP</u>	<u>Pending Correction in VFCP</u>	<u>Total Fully Corrected under VFCP & PTE 2002-51</u>
\$ 908	\$ -	\$ 908	\$ -	\$ -

During 2021, the Company did not remit participant contributions totaling \$908 on a timely basis as required by the Department of Labor. In 2022, the Plan sponsor remitted to the Plan an amount representing lost earnings that would have been earned had these contributions been remitted in a timely manner.

PDF Solutions, Inc. 401(k) Plan
(Employer Identification Number 25-1701361)
(Plan Number 001)
Supplemental Schedule Accompanying Form 5500
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
December 31, 2021

(a)	(b) Identity of issuer, borrower, lessor or similar party (c) Description of investment including maturity date rate of interest, collateral, par or maturity value.	(d) Cost	(e) Current Value
	Fidelity Management Trust Company:		
	American Funds Europacific Growth Fund	**	\$ 2,808,070
	DFA Inflation-Protected Securities Portfolio Fund	**	477,031
*	Fidelity Government Money Market	**	2,153
*	Fidelity Mid Cap Index Fund	**	1,916,802
*	Fidelity Small Cap Index Fund	**	2,003,837
*	Fidelity Spartan 500 Index Advantage Fund	**	16,880,543
*	Fidelity U.S. Bond Index Fund	**	1,942,950
*	Fidelity Total International Index Fund	**	1,675,980
	JHancock Disciplined Value Mid Cap R6	**	35,046
	JPMorgan Large Cap Growth Fund Class	**	15,454,354
	MFS Mid Cap Growth Fund Class R6	**	4,127,093
	MFS Value Fund Class R6	**	921,358
	PGIM Total Return Bond R6	**	2,169,952
	PIMCO Income Fund Institutional Class	**	1,016,403
	Principal SmallCap Growth I R6	**	596,816
	T. Rowe Price Retirement 2005 Fund	**	265,760
	T. Rowe Price Retirement 2010 Fund	**	17,075
	T. Rowe Price Retirement 2015 Fund	**	29,771
	T. Rowe Price Retirement 2020 Fund	**	727,874
	T. Rowe Price Retirement 2025 Fund	**	3,153,384
	T. Rowe Price Retirement 2030 Fund	**	2,100,159
	T. Rowe Price Retirement 2035 Fund	**	2,668,385
	T. Rowe Price Retirement 2040 Fund	**	1,308,756
	T. Rowe Price Retirement 2045 Fund	**	1,443,256
	T. Rowe Price Retirement 2050 Fund	**	215,626
	T. Rowe Price Retirement 2055 Fund	**	302,016
	T. Rowe Price Retirement 2060 Fund	**	136,563
	Vanguard Federal Money Market Fund	**	2,700,622
*	Loans Receivable from Participants – 10 outstanding with interest rates of 4.25% to 6.25%	-	100,212
	Total assets held at end of year		\$ 67,197,847

* An asterisk in column (a) denotes a transaction with a party-in-interest to the Plan.

** Cost information is not required as all investments are participant directed.

See Independent Auditors' Report



**PDF Solutions, Inc. 401(k) Plan
Financial Statements
and
Supplemental Schedules with
Independent Auditors' Reports
December 31, 2021 and 2020**

PDF Solutions, Inc. 401(k) Plan

**Financial Statements and
Supplemental Schedules
with
Independent Auditors' Reports**

December 31, 2021 and 2020

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Plan Administrator
PDF Solutions, Inc. 401(k) Plan
Santa Clara, California



Certified
Public
Accountants

INDEPENDENT AUDITORS' REPORT

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit

We have performed the audit of the financial statements of the PDF Solutions, Inc. 401(k) Plan (the Plan), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) (ERISA Section 103(a)(3)(C) audit). The financial statements comprise the statement of net assets available for benefits as of December 31, 2021 and the related statement of changes in net assets available for benefits for the year then ended, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audit of the Plan's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audit need not extend to any statements or information related to assets held for investment of the Plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution). Management has obtained a certification from a qualified institution as of December 31, 2021 and for the year then ended, stating the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audit and on the procedures performed as described in the *Auditors' Responsibilities for the Audit of the Financial Statements* section:

- the amounts and disclosures in the accompanying financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America (GAAP).

- the information in the accompanying financial statements related to assets held by and certified to by the qualified institution agrees to or is derived from, in all material respects, the information prepared and certified by the institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the *Auditors' Responsibilities for the Audit of the Financial Statements* section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities in accordance with the relevant ethical requirements relating to our audit. We believe the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with GAAP and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for one year after the date the financial statements are available to be issued.

Management is also responsible for maintaining a current Plan instrument, including all Plan amendments; administering the Plan; and determining the Plan's transactions that are presented and disclosed in the financial statements are in conformity with the Plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditors' Responsibilities for the Audit of the Financial Statements

Except as described in the *Scope and Nature of the ERISA Section 103(a)(3)(C) Audit* section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and, therefore, is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements, including omissions, are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

Our audit did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of GAAP.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with GAAP.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control related matters we identified during the audit.

Other Matter—Supplemental Schedules Required by ERISA

The supplemental schedules included in the accompanying table of contents is presented for purposes of additional analysis and is not a required part of the financial statements, but is supplementary information required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedules, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedules that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedules, we evaluated whether the supplemental schedules, other than the information agreed to or derived from the certified investment information, including its form and content, is presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion

- the form and content of the supplemental schedules, other than the information in the supplemental schedules that agreed to or is derived from the certified investment information, are presented, in all material respects, in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.
- the information in the supplemental schedules related to assets held by and certified to by the qualified institution agrees to or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Frank, Rimmerman & Co. LLP

San Jose, California
October 12, 2022

Plan Administrator
PDF Solutions, Inc. 401(k) Plan
Santa Clara, California



Certified
Public
Accountants

INDEPENDENT AUDITORS' REPORT

Report on the Financial Statement

We were engaged to audit the accompanying financial statement of the PDF Solutions, Inc. 401(k) Plan (the Plan), which comprises the statement of net assets available for benefits as of December 31, 2020 and the related notes to the financial statement.

Management's Responsibility for the Financial Statement

Management is responsible for the preparation and fair presentation of the financial statement in accordance with accounting principles generally accepted in the United States of America (GAAP); this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the financial statement that is free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on the financial statement based on conducting the audit in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the *Basis for Disclaimer of Opinion* paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 (ERISA), the Plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 3, which was certified by Fidelity Management Trust Company (Fidelity), the Plan's trustee, except for comparing such information with the related information included in the financial statements. We have been informed by the Plan administrator that Fidelity holds the Plan's investment assets and executes investment transactions. The Plan administrator has obtained a certification from Fidelity as of December 31, 2020, that the information provided to the Plan administrator by Fidelity is complete and accurate.

60 South Market Street, Suite 500 San Jose, California 95113 t 408.279.5566 www.frankrimerman.com

Disclaimer of Opinion

Because of the significance of the matter described in the *Basis for Disclaimer of Opinion* paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on the financial statement.

Report on Form and Content in Compliance with DOL Rules and Regulations.

The form and content of the information included in the financial statement, other than that derived from the information certified by Fidelity, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

A handwritten signature in blue ink that reads "Frank, Rimmerman & Co. LLP". The signature is written in a cursive, flowing style.

San Jose, California
October 12, 2022

PDF Solutions, Inc. 401(k) Plan
Statements of Net Assets Available for Benefits

	December 31,	
	<u>2021</u>	<u>2020</u>
Assets		
Investments, at fair value:		
Mutual funds	\$ 64,394,860	\$ 53,352,590
Money market funds	<u>2,702,775</u>	<u>2,245,012</u>
Total investments	67,097,635	55,597,602
Notes receivable from participants	100,212	56,305
Participant contributions receivable	<u>908</u>	<u>95,763</u>
Net Assets Available for Benefits	<u>\$ 67,198,755</u>	<u>\$ 55,749,670</u>

See Independent Auditors' Reports and Notes to Financial Statements

PDF Solutions, Inc. 401(k) Plan
Statement of Changes in Net Assets Available for Benefits
Year Ended December 31, 2021

Additions to Net Assets	
Investment income:	
Interest and dividends	\$ 3,485,957
Net appreciation in fair value of investments	<u>5,803,005</u>
Net investment income	9,288,962
Interest income on notes receivable from participants	<u>4,905</u>
Net income	9,293,867
Contributions:	
Participant	4,298,277
Participant rollover	<u>3,306,337</u>
Total contributions	<u>7,604,614</u>
Total additions	16,898,481
Deductions from Net Assets	
Benefits paid to participants	5,414,021
Account maintenance and note fees	<u>35,375</u>
Total deductions	<u>5,449,396</u>
Net Increase	11,449,085
Net Assets Available for Benefits	
December 31, 2020	<u>55,749,670</u>
December 31, 2021	<u>\$ 67,198,755</u>

See Independent Auditors' Reports and Notes to Financial Statements

PDF Solutions, Inc. 401(k) Plan

Notes to Financial Statements

1. Description of the Plan

PDF Solutions, Inc. (the Company) established the PDF Solutions, Inc. 401(k) Plan (the Plan), effective January 1, 1999, to provide participants with a means to fund their retirement on a tax-deferred basis. The Plan was last amended and restated on February 25, 2022 (Note 8). The following description of the Plan provides only general information. Participants should refer to the Plan agreement for a more complete description of the Plan's provisions.

On December 1, 2020, the acquisition date, the Company acquired the capital stock of Cimetrix Incorporated (Cimetrix) through a reverse triangular merger pursuant to which a newly formed subsidiary of the Company, Chime MS, Inc., merged with and into Cimetrix, with Cimetrix as the surviving entity and a wholly owned subsidiary of the Company. Based on the meeting of the sole shareholder and Board of Directors of Chime MS, Inc., the merger and merger agreement were approved. The Company amended the Plan agreement to allow Cimetrix employees to participate in the Plan effective December 1, 2020.

General:

The Plan is a defined contribution plan with a 401(k) salary deferral arrangement qualified under appropriate provisions of the Internal Revenue Code (the Code) and applicable state laws. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

The Company is the Plan sponsor and the Plan administrator. A 401(k) committee, consisting of Company employees, has been appointed by the Company's Board of Directors to oversee the Plan's investments and their performance. Fidelity Management Trust Company (Fidelity) is the Plan trustee and record keeper. Fidelity is authorized to invest, manage, and reinvest Plan assets, pay benefits and ensure proper accounting records are maintained. Plan investments are invested based solely upon instructions from participants and their beneficiaries.

Eligible Participants:

Company employees, as defined by the Plan agreement, age 21 or older, may participate in the Plan immediately following their date of hire.

Contributions:

Participants may make pre-tax salary or after-tax contributions up to 60% of annual compensation, as defined by the Plan agreement. In addition, participants who have reached the age of 50 can elect to withhold additional catch-up contributions under the Code. Participants may also contribute amounts representing distributions from other qualified plans (rollovers). The Company may make discretionary matching contributions, as determined by the Company's Board of Directors. No discretionary Company contributions have been made to the Plan through December 31, 2021.

PDF Solutions, Inc. 401(k) Plan
Notes to Financial Statements

1. Description of the Plan (continued)

Contributions: (continued)

The Plan provides for automatic enrollment on the date a participant becomes eligible to participate in the Plan. The automatic pre-tax salary contributions for eligible participants is 3% of their compensation, unless the participant requests a different amount to be contributed or declines participation.

Contributions are subject to certain limitations under the Code.

Participant Accounts:

Each participant's account is credited with the participant's contributions and an allocation of Company contributions, if any, plus earnings (less any losses) thereon. Allocations are based on participant earnings or account balances, in accordance with the Plan agreement. The benefit to which a participant is entitled is the benefit that can be provided from the participant's account.

Participants may elect to invest their accounts in a variety of participant-directed investment options offered by the Plan that are designed to provide the participants with a wide range of investment options. Participants may authorize transfers among investment options at any time.

Vesting:

Participants are immediately vested in their contributions, plus earnings (less any losses) thereon. Vesting in Company discretionary contributions, if any, plus earnings (less any losses) thereon, begins after one year of service. Participants become fully vested after four years of service or upon retirement, disability or death.

Notes Receivable from Participants:

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Delinquent participant notes are reclassified as distributions based upon the terms of the Plan agreement.

PDF Solutions, Inc. 401(k) Plan

Notes to Financial Statements

1. Description of the Plan (continued)

Notes Receivable from Participants: (continued)

Participants may borrow up to one-half of their account balance, a minimum of \$1,000 and not to exceed \$50,000, for a period not to exceed five years, except for notes used to purchase a primary residence for which a term of up to ten years may be granted. Participant notes are evidenced by a written note, secured by the balance in the participant's account and bear interest at a rate commensurate with local prevailing rates, as determined by the 401(k) committee under the Plan's note policy. A participant may have only one note outstanding at any time. Interest rates on notes outstanding at December 31, 2021 range from 4.25% to 6.25%. Repayment of principal and interest is generally made through payroll deductions.

Payment of Benefits:

On termination of service, benefits are paid in a lump-sum cash distribution equal to the value of the participant's interest in their account or, if elected by the participant, in installments. All distributions are subject to the applicable provisions of the Plan agreement. Benefits are recorded when paid.

Accounts between \$1,000 and \$5,000 may be automatically distributed to an individual retirement account on behalf of the participant, without participant approval.

Administrative Expenses:

Several of the investment fund options are subject to investment fees based on a percentage of invested assets, as disclosed in the fund's prospectus. These fees are charged directly against the fund's investment performance and, thus, are not separately disclosed in the financial statements. Certain account maintenance and participant note fees are paid by the Plan and charged directly to participant accounts. The Company pays all other expenses related to the Plan, which are not reflected in the Plan's financial statements.

The Company participates in a revenue credit program offered by Fidelity. Under this program, a plan is eligible to receive a fixed annual credit based on Fidelity's revenue target for the Plan and on certain plan characteristics. The revenue credit is allocated quarterly into a plan-level suspense account, which can be used to reimburse administrative expenses paid to Fidelity or other third-party providers. At the Plan sponsor's discretion, unused credits can be allocated ratably to participant accounts or used to offset future plan expenses. The amount of the revenue credit the Plan received in 2021 was not material.

PDF Solutions, Inc. 401(k) Plan

Notes to Financial Statements

1. Description of the Plan (continued)

Risks and Uncertainties:

The Plan offers a variety of investment options to participants. Investments are exposed to various risks, such as interest rate, market fluctuation and credit risks. Due to the level of risk associated with certain investments, it is at least reasonably possible changes in risk in the near term could materially affect participant account balances and the amounts reported in the financial statements.

The outbreak of the novel coronavirus continues to materially and adversely impacted global commercial activity and contribute to volatility in financial markets. The outbreak is having, and will likely continue to have, a material adverse impact on economic and market conditions for the foreseeable future. This presents uncertainty and risk with respect to the Plan, its future performance, and its future financial results.

Plan Termination:

Although it has not expressed any intent to do so, the Company has the right under the Plan to terminate the Plan at any time, subject to the provisions of ERISA. In the event of Plan termination, participants will remain fully vested in their accounts and distributions will be made to participants as described in the Plan agreement.

2. Summary of Accounting Policies

Basis of Accounting:

The Plan prepares its financial statements on the accrual method of accounting in accordance with accounting principles generally accepted in the United States of America (GAAP).

Use of Estimates:

The preparation of financial statements in conformity with GAAP requires the Plan administrator to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

PDF Solutions, Inc. 401(k) Plan

Notes to Financial Statements

2. Summary of Accounting Policies (continued)

Investments:

Investments are comprised of mutual funds and money market funds valued at the net asset value (NAV) of shares held by the Plan at year end based on quoted prices in active markets. It is not probable these funds will be sold at amounts that differ materially from the NAV of shares held.

Fair Value Measurement:

The Plan uses a three-level hierarchy for fair value measurement based on the nature of inputs used in the valuation of an asset or liability as of the measurement date. The three-level hierarchy prioritizes within the measurement of fair value, the use of market-based information over entity-specific information. Fair value focuses on an exit price and is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The inputs or methodology used for valuing financial instruments are not necessarily an indication of the risk associated with those instruments.

The three-level hierarchy for fair value measurement is defined as follows:

Level I: Inputs to the valuation methodology are quoted prices (unadjusted) for identical assets or liabilities in active markets.

Level II: Inputs to the valuation methodology include quoted prices for similar assets and liabilities in active markets, and inputs that are observable for the asset or liability, either directly or indirectly, for substantially the full term of the financial instrument.

Level III: Inputs to the valuation methodology, which are significant to the fair value measurement, are unobservable.

A financial instrument's categorization within the fair value hierarchy is based on the lowest level of input that is significant to the fair value measurement.

The Plan's investments are classified as Level I within the fair value hierarchy at December 31, 2021 and 2020.

PDF Solutions, Inc. 401(k) Plan
Notes to Financial Statements

2. Summary of Accounting Policies (continued)

Income Recognition:

Purchases and sales of investments are recorded on a trade-date basis. Interest income is recorded on the accrual method of accounting. Dividends are recorded on the ex-dividend date. Net appreciation includes gains and losses on the Plan's investments bought, sold or held during the year.

3. Information Prepared and Certified by Fidelity

Fidelity, as the Plan's trustee, has certified the fair value of the following assets held at December 31, 2021 and 2020, and net income for the year ended December 31, 2021, which were used in the preparation of the financial statements and supplemental schedules.

	December 31,	
	2021	2020
Investments, at fair value	\$ 67,097,635	\$ 55,597,602
Notes receivable from participants	<u>100,212</u>	<u>56,305</u>
Total certified assets	<u>\$ 67,197,847</u>	<u>\$ 55,653,907</u>
Certified net income for the year ended December 31, 2021	<u>\$ 9,293,867</u>	

4. Income Tax Status

The Plan is a volume submitter plan offered by Fidelity. The Internal Revenue Service (IRS) has informed Fidelity by a letter dated June 30, 2020, that the plan submitted for review was qualified under applicable provisions of the Code. The Plan has been amended since receipt of the letter. However, the Plan and the Plan sponsor believe the Plan is designed and is currently being operated in compliance with the applicable requirements of the Code and related state statutes and is, therefore, qualified and the trust, which forms a part of the Plan, is exempt from federal and state income taxes.

PDF Solutions, Inc. 401(k) Plan
Notes to Financial Statements

4. Income Tax Status (continued)

GAAP requires Plan management to evaluate income tax positions taken by the Plan and recognize a tax liability if the Plan has taken an uncertain income tax position that more likely than not would not be sustained upon examination by the Internal Revenue Service (IRS). The Plan administrator has analyzed the income tax positions taken by the Plan, and has concluded, at December 31, 2021, there are no uncertain income tax positions taken or expected to be taken that would require recognition of a liability or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress. The Plan administrator believes the Plan is no longer subject to income tax examinations for years prior to 2018.

5. Party-In-Interest Transactions

Certain Plan investments are offered by Fidelity, the Plan's trustee. Purchases and sales of these investments qualify as party-in-interest transactions. Notes receivable transactions with participants also qualify as party-in-interest transactions. These transactions are exempt from the prohibited transaction rules under ERISA.

6. Prohibited Transactions

In 2021, the Company did not remit participant contributions totaling \$908 on a timely basis as required by the DOL. The DOL considers delinquent contributions to be nonexempt prohibited transactions with the Plan sponsor that can jeopardize the Plan's tax-exempt status. In 2022, the Company remitted lost earnings to the Plan to correct the delinquent remittances from 2021.

7. Reconciliation of Financial Statements to Schedule H of Form 5500

The following is a reconciliation of net assets available for benefits per the financial statements to Schedule H of Form 5500 at December 31:

	<u>2021</u>	<u>2020</u>
Net assets available for benefits per the financial statements	\$ 67,198,755	\$ 55,749,670
Less: Participant contributions receivable	<u>(908)</u>	<u>(95,763)</u>
Net assets available for benefits per Form 5500	<u>\$ 67,197,847</u>	<u>\$ 55,653,907</u>

PDF Solutions, Inc. 401(k) Plan
Notes to Financial Statements

7. Reconciliation of Financial Statements to Schedule H of Form 5500 (continued)

The following is a reconciliation of the change in net assets available for benefits per the financial statements to Schedule H of Form 5500 for the year ended December 31, 2021:

Net increase in net assets available for benefits per the financial statements	\$ 11,449,085
Add: Participant contributions receivable at December 31, 2020	95,763
Less: Participant contributions receivable at December 31, 2021	<u>(908)</u>
Net increase in net assets available for benefits per Form 5500	<u>\$ 11,543,940</u>

8. Subsequent Events

Effective February 25, 2022, the Plan was amended to bring the Plan into compliance with legislative and regulatory changes set forth in IRS Notice 2017-37 and other legal requirements. The Plan continues to be a prototype plan offered by Fidelity. The IRS has determined and informed Fidelity by a letter dated June 30, 2020, the plan submitted for review was qualified under applicable provisions of the Code.

Subsequent events have been evaluated through October 12, 2022, which is the date the financial statements were approved by the Plan and available to be issued.