

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 2022 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A	This return/report is for: ☐ a multiemployer plan ☒ a single-employer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☐ a DFE (specify) _____
B	This return/report is: ☐ the first return/report ☐ the final return/report ☐ an amended 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 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
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 QUANTUM DYNAMICS, INC 401(K) PROFIT SHARING PLAN	1b	Three-digit plan number (PN) ▶ 001
		1c	Effective date of plan 01/01/2005
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, and ZIP or foreign postal code (if foreign, see instructions) QUANTUM DYNAMICS, INC 240 SECOND STREET, 2ND FLOOR MACON, GA 31201	2b	Employer Identification Number (EIN) 52-2340609
		2c	Plan Sponsor's telephone number 478-745-7577
		2d	Business code (see instructions) 541990

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.	10/16/2023	JULIE DANIEL
	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

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		5 193
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) 106
a(2) Total number of active participants at the end of the plan year		6a(2) 96
b Retired or separated participants receiving benefits		6b 0
c Other retired or separated participants entitled to future benefits.....		6c 80
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d 176
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 1
f Total. Add lines 6d and 6e		6f 177
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g 123
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		6h 1
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: 2E 2F 2G 2J 2K 2T 2A		
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) ☒ 1 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 2022 Form M-1 annual report. If the plan was not required to file the 2022 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 A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance 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. ▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A Name of plan QUANTUM DYNAMICS, INC 401(K) PROFIT SHARING PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 QUANTUM DYNAMICS, INC	D Employer Identification Number (EIN) 52-2340609

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions	Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier TRANSAMERICA LIFE INSURANCE COMPANY
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(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
39-0989781	86231	996320	123	01/01/2022	12/31/2022

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.
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(a) Total amount of commissions paid 11427	(b) Total amount of fees paid
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3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid CARROLLTON OLIVER GREEN 86 MANNS RD SEVERNA PARK, MD 21146
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(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
11427			3

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
--

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4	Current value of plan's interest under this contract in the general account at year end.....	4	1083623
5	Current value of plan's interest under this contract in separate accounts at year end.....	5	2604852

6 Contracts With Allocated Funds:**a** State the basis of premium rates ▶

b	Premiums paid to carrier	6b	
c	Premiums due but unpaid at the end of the year	6c	
d	If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount..... Specify nature of costs ▶	6d	

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity
(3) ☐ other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ ☐**7** Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
(3) ☐ guaranteed investment (4) ☒ other ▶ STABLE VALUE OPTION

b	Balance at the end of the previous year	7b	1162046
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c	Additions: (1) Contributions deposited during the year	7c(1)	266704	
	(2) Dividends and credits	7c(2)		
	(3) Interest credited during the year	7c(3)	17474	
	(4) Transferred from separate account	7c(4)	3582	
	(5) Other (specify below)	7c(5)	7368	
	▶ LOANS PRINCIPAL & INTEREST, ADDITIONS TO FORFEITURES, STABLE FORFEITURES			

(6) Total additions	7c(6)	295128
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d	Total of balance and additions (add lines 7b and 7c(6))	7d	1457174
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e Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	342959
(2) Administration charge made by carrier	7e(2)	8598
(3) Transferred to separate account	7e(3)	12194
(4) Other (specify below)	7e(4)	9800
▶ LOANS ISSUED		

(5) Total deductions	7e(5)	373551
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f	Balance at the end of the current year (subtract line 7e(5) from line 7d)	7f	1083623
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Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
b ☐ Dental
c ☐ Vision
d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
f ☐ Long-term disability
g ☐ Supplemental unemployment
h ☐ Prescription drug
i ☐ Stop loss (large deductible)
j ☐ HMO contract
k ☐ PPO contract
l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve	9a(3)		
(4) Earned ((1) + (2) - (3))		9a(4)	
b Benefit charges (1) Claims paid	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2))		9b(3)	
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges	9c(1)(G)		
(H) Total retention		9c(1)(H)	
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount. Specify nature of costs.	10b	

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

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
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan QUANTUM DYNAMICS, INC 401(K) PROFIT SHARING PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 QUANTUM DYNAMICS, INC	D Employer Identification Number (EIN) 52-2340609	

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
TRANSAMERICA LIFE INSURANCE COMPANY
39-0989781

(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)

TRANSAMERICA LIFE INSURANCE COMPANY

39-0989781

(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?
15 37 52 62 64 67	RECORDKEEPER	31216	Yes ☒ No ☐	Yes ☒ No ☐	0	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 D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan 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 2022 This Form is Open to Public Inspection.
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan QUANTUM DYNAMICS, INC 401(K) PROFIT SHARING PLAN	B Three-digit plan number (PN) ►	001
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 QUANTUM DYNAMICS, INC	D Employer Identification Number (EIN) 52-2340609	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
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a Name of MTIA, CCT, PSA, or 103-12 IE: AEGON BALANCED RET OPT			
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO			
c EIN-PN 39-0989781-119	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 18051	
a Name of MTIA, CCT, PSA, or 103-12 IE: AEGON BOND RET OPT			
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO			
c EIN-PN 39-0989781-100	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 35741	
a Name of MTIA, CCT, PSA, or 103-12 IE: AMERICAN CENTURY LG CO VAL INV OPT			
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO			
c EIN-PN 39-0989781-038	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 16404	
a Name of MTIA, CCT, PSA, or 103-12 IE: AMERICAN FDS GR FD OF AMERICA INV O			
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO			
c EIN-PN 39-0989781-015	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 45083	
a Name of MTIA, CCT, PSA, or 103-12 IE: AMERICAN FUNDS BALANCED INV OPT			
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO			
c EIN-PN 39-0989781-026	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 17294	
a Name of MTIA, CCT, PSA, or 103-12 IE: ARTISAN SMALL CAP RET OPT			
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO			
c EIN-PN 39-0989781-151	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 25320	
a Name of MTIA, CCT, PSA, or 103-12 IE: DREYFUS INTL EQUITY INV OPT			
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO			
c EIN-PN 39-0989781-446	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 188793	

a Name of MTIA, CCT, PSA, or 103-12 IE: FIDELITY ADV EQUITY INC INV OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-185	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 37998
a Name of MTIA, CCT, PSA, or 103-12 IE: FIDELITY ADV SMALL CAP INV OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-445	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 100263
a Name of MTIA, CCT, PSA, or 103-12 IE: FRANKLIN BIOTECH DISCOVERY INV OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-440	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 97882
a Name of MTIA, CCT, PSA, or 103-12 IE: FRANKLIN UTILITIES INV OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-045	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 242374
a Name of MTIA, CCT, PSA, or 103-12 IE: INVESCO AMERICAN FRANCHISE INV OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-443	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 22085
a Name of MTIA, CCT, PSA, or 103-12 IE: INVESCO VALUE OPPORTUNITIES INV OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-448	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 42178
a Name of MTIA, CCT, PSA, or 103-12 IE: JPMORGAN GOVT SECURITIES RET OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-158	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 21025
a Name of MTIA, CCT, PSA, or 103-12 IE: LOOMIS SAYLES BOND RET OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-150	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 23256
a Name of MTIA, CCT, PSA, or 103-12 IE: MORGAN STANLEY GR OPP RET OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-167	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 279583
a Name of MTIA, CCT, PSA, or 103-12 IE: MORGAN STANLEY GROWTH RET OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-166	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 431830

a Name of MTIA, CCT, PSA, or 103-12 IE: STATE STREET INTL INDEX RET OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-035	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 3168
a Name of MTIA, CCT, PSA, or 103-12 IE: STATE STREET RUSSELL SM CP IDX RT O		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-033	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 7240
a Name of MTIA, CCT, PSA, or 103-12 IE: STATE STREET RUSSELL SM CP VAL IDX		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-046	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 9293
a Name of MTIA, CCT, PSA, or 103-12 IE: STATE STREET S&P MD CP IDX RET OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-036	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 315338
a Name of MTIA, CCT, PSA, or 103-12 IE: TA VANGUARD REIT INDEX RET OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-099	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 9232
a Name of MTIA, CCT, PSA, or 103-12 IE: TEMPLETON FOREIGN RET OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-143	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 6247
a Name of MTIA, CCT, PSA, or 103-12 IE: TRANSAMERICA PTNR HIGH YIELD BD RT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-434	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 43569
a Name of MTIA, CCT, PSA, or 103-12 IE: TRANSAMERICA PTNR LG CORE RT OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-426	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 28636
a Name of MTIA, CCT, PSA, or 103-12 IE: TRANSAMERICA PTNR LG VAL RT OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-428	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 7130
a Name of MTIA, CCT, PSA, or 103-12 IE: TRANSAMERICA PTNR MD VAL RT OPT		
b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO		
c EIN-PN 39-0989781-427	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 47494

a Name of MTIA, CCT, PSA, or 103-12 IE: TRANSAMERICA PTNR STOCK IDX RT OPT

b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO

c EIN-PN 39-0989781-587	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 64033
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a Name of MTIA, CCT, PSA, or 103-12 IE: WMC DISCIPLINED US GROWTH RET OPT

b Name of sponsor of entity listed in (a): TRANSAMERICA LIFE INS CO

c EIN-PN 39-0989781-101	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 418312
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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Part II **Information on Participating Plans (to be completed by DFEs)**

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
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plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

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 2022 This Form is Open to Public Inspection				
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>						
A Name of plan <u>QUANTUM DYNAMICS, INC 401(K) PROFIT SHARING PLAN</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">B Three-digit plan number (PN) ►</td> <td style="width: 20%; text-align: center;"><u>001</u></td> </tr> <tr> <td colspan="2" style="height: 20px;"></td> </tr> </table>		B Three-digit plan number (PN) ►	<u>001</u>		
B Three-digit plan number (PN) ►	<u>001</u>					
C Plan sponsor's name as shown on line 2a of Form 5500 <u>QUANTUM DYNAMICS, INC</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">D Employer Identification Number (EIN) <u>52-2340609</u></td> <td style="width: 20%;"></td> </tr> </table>		D Employer Identification Number (EIN) <u>52-2340609</u>			
D Employer Identification Number (EIN) <u>52-2340609</u>						

Part I	Asset and Liability Statement		
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	
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....		1b(1)	155308279
(2) Participant contributions.....		1b(2)	90866097
(3) Other.....		1b(3)	5111
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....		1c(1)	
(2) U.S. Government securities		1c(2)	
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred		1c(3)(A)	
(B) All other		1c(3)(B)	
(4) Corporate stocks (other than employer securities):			
(A) Preferred		1c(4)(A)	
(B) Common.....		1c(4)(B)	
(5) Partnership/joint venture interests		1c(5)	
(6) Real estate (other than employer real property)		1c(6)	
(7) Loans (other than to participants).....		1c(7)	
(8) Participant loans.....		1c(8)	1121317155
(9) Value of interest in common/collective trusts.....		1c(9)	
(10) Value of interest in pooled separate accounts		1c(10)	52561442604852
(11) Value of interest in master trust investment accounts.....		1c(11)	
(12) Value of interest in 103-12 investment entities		1c(12)	
(13) Value of interest in registered investment companies (e.g., mutual funds).....		1c(13)	
(14) Value of funds held in insurance company general account (unallocated contracts).....		1c(14)	11620461083623
(15) Other		1c(15)	

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	6454024	3720117

Liabilities

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

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	6454024	3720117
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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)	259619	
(B) Participants	2a(1)(B)	141060	
(C) Others (including rollovers)	2a(1)(C)		
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		400679
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)	698	
(F) Other	2b(1)(F)	17475	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		18173
(2) Dividends: (A) Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)		
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(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)		
(B) Other	2b(5)(B)		
(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)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		-1974486
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		
c Other income	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		-1555634
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	1132374	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		1132374
f Corrective distributions (see instructions)	2f		14683
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)		
(2) Contract administrator fees	2i(2)		
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)	31216	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		31216
j Total expenses. Add all expense amounts in column (b) and enter total	2j		1178273
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-2733907
l Transfers of assets:			
(1) To this plan	2l(1)		
(2) From this plan	2l(2)		

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: **CHERRY BEKAERT LLP**

(2) EIN: **56-0574444**

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	

	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		500000
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 2022 This Form is Open to Public Inspection.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan QUANTUM DYNAMICS, INC 401(K) PROFIT SHARING PLAN		B Three-digit plan number (PN) ► 001
C Plan sponsor's name as shown on line 2a of Form 5500 QUANTUM DYNAMICS, INC		D Employer Identification Number (EIN) 52-2340609
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 0
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): 13-3689044		
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) 2022 v. 220413		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (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
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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 _____

**QUANTUM DYNAMICS, INC.
401(k) PROFIT SHARING PLAN**

FINANCIAL STATEMENTS AND
SUPPLEMENTAL SCHEDULES

*As of December 31, 2022 and 2021 and
for the Year Ended December 31, 2022*

And Report of Independent Auditor

QUANTUM DYNAMICS, INC. 401(k) PROFIT SHARING PLAN
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NOTE: All other schedules required by Section 2520.103-10 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 have been omitted because they are not applicable.

Report of Independent Auditor

To the Plan Administrator
Quantum Dynamics, Inc. 401(k) Profit Sharing Plan
McLean, Virginia

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

We have performed audits of the accompanying financial statements of Quantum Dynamics, Inc. 401(k) Profit Sharing 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). The financial statements comprise the statement of net assets available for benefits as of December 31, 2022, and 2021 and the related statement of changes in net assets available for benefits for the year ended December 31, 2022 and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits 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 audits 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 that 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 certifications from a qualified institution as of December 31, 2022 and 2021, and for the year ended December 31, 2022, stating that the certified investment information, as described in Note 5 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and on the procedures performed as described in the *Auditor’s Responsibilities for the Audit of the Financial Statements* section:

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

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Our responsibilities under those standards are further described in the *Auditor’s 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 that 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 these financial statements in accordance with accounting principles generally accepted in the United States of America, 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 that 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.

Auditor's 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 auditor's 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 generally accepted auditing standards 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 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 generally accepted auditing standards, 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 audits 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 accounting principles generally accepted in the United States of America.

Supplemental Schedules Required by ERISA

The supplemental schedules, Schedule of Delinquent Participant Contributions – Form 5500, Schedule H, Part IV, Line 4a for the year ended December 31, 2022 and Schedule of Assets (Held at End of Year) – Form 5500, Schedule H, Part IV, Line 4i as of December 31, 2022, are presented for purposes of additional analysis and are not a required part of the financial statements but is supplementary information required by 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 generally accepted auditing standards. For information included in the supplemental schedule 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 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 agrees to or is derived from the certified investment information, is presented, in all material respects, in conformity with 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 a 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).

Cherry Bekaert LLP

Tysons Corner, Virginia
October 16, 2023

QUANTUM DYNAMICS, INC. 401(k) PROFIT SHARING PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS

DECEMBER 31, 2022 AND 2021

	2022	2021
ASSETS		
Investments, at fair value	\$ 3,688,475	\$ 6,418,190
Receivables:		
Employer contributions receivable	8,279	15,530
Participant contributions receivable	6,097	9,086
Notes receivable from participants	17,155	11,213
Other receivables	111	5
Total Receivables	31,642	35,834
Total Assets	3,720,117	6,454,024
LIABILITIES		
Excess contributions payable	15,006	14,207
Net Assets Available for Benefits	\$ 3,705,111	\$ 6,439,817

The accompanying notes to the financial statements are an integral part of these statements.

QUANTUM DYNAMICS, INC. 401(k) PROFIT SHARING PLAN
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS

YEAR ENDED DECEMBER 31, 2022

Additions to net assets attributed to:	
Interest and dividends	<u>\$ 17,475</u>
Interest income on notes receivable from participants	<u>698</u>
Contributions:	
Participants	123,310
Employer	<u>261,887</u>
Total Contributions	<u>385,197</u>
Total Additions	<u>403,370</u>
Deductions from net assets attributed to:	
Net depreciation in fair value of investments	1,974,486
Benefits paid to participants	1,132,374
Administrative expenses	<u>31,216</u>
Total Deductions	<u>3,138,076</u>
Net decrease in net assets available for benefits	(2,734,706)
Net assets available for benefits, beginning of year	<u>6,439,817</u>
Net assets available for benefits, end of year	<u><u>\$ 3,705,111</u></u>

The accompanying notes to the financial statements are an integral part of these statements.

QUANTUM DYNAMICS, INC. 401(k) PROFIT SHARING PLAN

NOTES TO THE FINANCIAL STATEMENTS

DECEMBER 31, 2022 AND 2021

Note 1—Description of the Plan

The following description of the Quantum Dynamics, Inc. 401(k) Profit Sharing Plan (the “Plan”) is provided for general purposes only. Participants should refer to the Plan Agreement, as amended and restated, for a more complete description of the Plan’s provisions.

General – The Plan was established on January 1, 2005, and most recently amended August 7, 2022. There were no material modifications made to the plan as a result of the most recent amendment. The Plan is a defined contribution plan covering substantially all employees of Quantum Dynamics, Inc. (the “Company” or “Employer” or “Plan Sponsor”). The Plan is intended to qualify under Section 401(k) of the Internal Revenue Code (“IRC”) and is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”).

The Plan assets are held in the custody of Transamerica Life Insurance Company Inc. (“Transamerica”). Transamerica serves as the Plan’s “Trustee” and record keeper.

Participant Contributions – Employees who are at least 21 years old and not non-resident aliens are eligible to become participants. Participants may contribute a percentage of their eligible compensation, as defined in the Plan, on a pre-tax or after-tax basis, subject to statutory limitations of the IRC. In addition, participants 50 years of age or older may elect to make a catch-up deferral contribution of up to \$6,500 for the year ended December 31, 2022. Distributions from other qualified retirement plans can also be contributed to the Plan and retained as a rollover contribution.

Employer Contributions – Participants of the Plan who have completed one year of service and are not Service Contract Act (“SCA”) employees, non-resident aliens, or union employees are also eligible for employer contributions. The Company may make a discretionary matching contribution to the Plan, with the amounts determined annually. The Company made a discretionary matching contribution for the year ended December 31, 2022 of \$251,340. In addition, the Company may make a discretionary profit-sharing contribution for eligible employees who are employed on the last day of the Plan year. In 2022, the Company did not make any discretionary profit-sharing contributions.

Participant Accounts – Individual accounts are maintained for each participant and include participant's salary deferral contributions and rollover contributions, plus an allocation of the Plan Sponsor discretionary matching contribution, Plan Sponsor discretionary profit-sharing contribution, Plan earnings or losses, including realized and unrealized gains and losses on investments, and Plan expenses. The benefit to which a participant is entitled is the benefit that can be provided from the participant’s vested account.

Forfeitures – Terminating participants forfeit nonvested Plan Sponsor discretionary matching contributions and discretionary profit-sharing contributions. Forfeitures may be applied against administrative expenses or against contributions in accordance with specific Plan provisions. At December 31, 2022 and 2021, forfeited nonvested accounts totaled \$106,377 and \$98,962, respectively. There were no forfeitures were credited against Plan expenses for the year ended December 31, 2022.

QUANTUM DYNAMICS, INC. 401(k) PROFIT SHARING PLAN

NOTES TO THE FINANCIAL STATEMENTS

DECEMBER 31, 2022 AND 2021

Note 1—Description of the Plan (continued)

Vesting – Participants are immediately vested in their salary deferral contributions and rollover contributions, plus actual earnings thereon. Participants may direct the investment of contributions on a daily basis into various investment options offered by the Plan. A participant becomes 100% vested in Plan Sponsor contributions upon death, becoming disabled, or reaching retirement age, as defined by the Plan.

Plan Sponsor discretionary matching and profit-sharing contributions vest as follows:

<u>Years of Service</u>	<u>Percent Vested</u>
0	0%
1	20%
2	40%
3	60%
4	80%
5	100%

Payment of Benefits – Upon termination of service due to death, disability, or retirement, a participant with an account balance of \$5,000 or greater may elect to receive a distribution under any of the optional forms available under the Plan. A participant with an account balance of less than \$5,000 is required to take a lump-sum payment upon termination of service. For termination of service for other reasons, a participant may either directly roll over their vested account balance to an individual retirement account or another employer plan, receive the value of the vested interest in his or her account as a lump-sum distribution, or leave the vested balance within the Plan to provide future benefits.

The Plan also allows, in certain hardship situations as defined in the Plan, participants to withdraw from their account balances while actively employed. These hardship withdrawals are subject to IRC restrictions and penalties.

Notes Receivable from Participants – Participants may borrow from their fund accounts a minimum of \$1,000 up to a maximum equal to the lesser of \$50,000 or 50% of their eligible account balance. Participants may have up to one note outstanding during a period of twelve consecutive months. Notes must be repaid within five years unless it is for the purchase of a primary residence. The notes are secured by the balance in the participant's account and by any other adequate collateral deemed necessary by the Trustee. The notes bear interest, as determined by the Plan administrator. At December 31, 2022, the interest rates on all outstanding loans ranged from 4.25% to 5.75%.

Investment Options – Participants may direct the Trustee as to the investment of their account balances in accordance with guidelines established by the Plan. Participants may change their investment elections at any time. Transfers of account balances between elected investment options may also be made at any time.

Note 2—Summary of significant accounting policies

Basis of Accounting – The financial statements of the Plan are prepared on the accrual basis in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP").

Use of Estimates – The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Such estimates include those regarding fair value. Actual results could differ from those estimates.

QUANTUM DYNAMICS, INC. 401(k) PROFIT SHARING PLAN

NOTES TO THE FINANCIAL STATEMENTS

DECEMBER 31, 2022 AND 2021

Note 2—Summary of significant accounting policies (continued)

Administrative Expenses – All reasonable expenses of administration, including, but not limited to, those involved in retaining necessary professional assistance, may be paid from the assets of the Plan. Alternatively, certain expenses of the Plan are paid by the Employer; these are not included in the statement of changes in net assets available for benefits.

Investment Valuation and Income Recognition – Investments are reported at fair value. Fair value is 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.

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

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

Benefits Paid to Participants – Benefits paid to participants are recorded when paid.

Risks and Uncertainties – The Plan provides for various investment fund options. Investments are exposed to various risks such as interest rate, market, and credit. Due to the level of risk associated with certain investment securities and the level of uncertainty related to changes in the value of investment securities, it is at least reasonably possible that changes in risks in the near term could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits and the statement of changes in net assets available for benefits.

Excess Contributions Payable – Amounts payable to participants for contributions in excess of amounts allowed by the Internal Revenue Service ("IRS") are recorded as a liability with a corresponding reduction to contributions. The Plan distributed the excess contributions to the applicable participants prior to March 15 of the subsequent year.

Fair Value Measurement – U.S. GAAP provides the framework for measuring fair value. That framework provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets and liabilities (Level 1 measurement) and the lowest priority to unobservable inputs (Level 3 measurements).

The three levels of the fair value hierarchy are described as follows:

Level 1 – Inputs to the valuation methodology are quoted prices available in active markets for identical investments as of the reporting date;

Level 2 – Inputs to the valuation methodology are other than quoted prices in active markets, which are either directly or indirectly observable as of the reporting date, and fair value can be determined through the use of models or other valuation methodologies; and

Level 3 – Inputs to the valuation methodology are unobservable inputs in situations where there is little or no market activity for the asset or liability and the reporting entity makes estimates and assumptions related to the pricing of the asset or liability including assumptions regarding risk.

QUANTUM DYNAMICS, INC. 401(k) PROFIT SHARING PLAN

NOTES TO THE FINANCIAL STATEMENTS

DECEMBER 31, 2022 AND 2021

Note 2—Summary of significant accounting policies (continued)

A financial instrument's level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. The following are descriptions of the valuation methodologies used for instruments measured at fair value, including the general classification of such instruments pursuant to the valuation hierarchy.

Pooled Separate Accounts – These investments are public investment vehicles valued using the net asset value ("NAV") as a practical expedient to estimating fair value provided by the administrator of the fund. NAV is based on the value of the underlying assets owned by the fund, minus its liabilities, divided by the number of shares outstanding.

Common / Collective Trusts – These investments are public investment vehicles valued using NAV as a practical expedient to estimate fair value provided by the administrator of the fund. NAV is based on the value of the underlying assets owned by the fund, minus its liabilities, divided by the number of shares outstanding.

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

Note 3—Income tax status

The prototype non-standardized profit-sharing plan with cash or deferral arrangement adopted by the Plan obtained its latest opinion letter on March 31, 2014, in which the IRS stated that the prototype plan, as then designed, was in compliance with the applicable requirements of the IRC. The Plan has been amended since receiving the determination letter; however, the Plan administrator believes that the Plan is currently designed and being operated in compliance with the applicable requirements of the IRC and has no income subject to business income tax and therefore, the Plan and related trust continue to be tax-exempt.

U.S. GAAP requires Plan management to evaluate the tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. Plan management has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2022 and 2021, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to audit by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

Note 4—Plan termination

Although it has not expressed any intent to do so, the Plan Sponsor has the right under the Plan to terminate the Plan subject to the provisions of ERISA. In the event of the Plan's termination, participants will become fully vested in their accounts.

QUANTUM DYNAMICS, INC. 401(k) PROFIT SHARING PLAN

NOTES TO THE FINANCIAL STATEMENTS

DECEMBER 31, 2022 AND 2021

Note 5—Information prepared and certified by qualified institution (unaudited)

The Plan administrator has elected the method of compliance as permitted by 29 CFR 2520.103-8 of DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, Transamerica, the Trustee of the Plan, has certified to the completeness and accuracy of the following data included in the accompanying financial statements and supplemental schedules as of December 31, 2022 and 2021 and for the year ended December 31, 2022.

- Investments, at fair value, and notes receivable from participants, as shown in the statements of net assets available for benefits as of December 31, 2022 and 2021.
- Net depreciation in fair value of investments, interest and dividends, and interest income on notes receivable from participants, as shown in the statement of changes in net assets available for benefits for the year ended December 31, 2022.
- Schedule of Assets (Held at End of Year) – Form 5500, Schedule H, Part IV, Line 4i as of December 31, 2022.

The Plan's independent auditors did not perform auditing procedures with respect to the certified information, except for comparing such information to the related information included in the financial statements and supplemental schedule of assets (held at end of year).

Note 6—Parties-in-interest

Certain Plan investments are managed by the Trustee for the year ended December 31, 2022. These transactions qualify as parties-in-interest transactions. These administrative expenses amounted to \$31,216 for the year ended December 31, 2022. Notes receivable from participants also qualify as party-in-interest transactions.

Note 7—Prohibited transactions

During the Plan year ended December 31, 2022, the Plan Sponsor did not remit certain employee contributions to the Trustee as required by DOL's Regulation 2510.3-102. The untimely remittance constitutes a nonexempt transaction with a party-in-interest. The Company will make contributions to the affected participants' accounts to compensate those participants for potential lost income due to the delays. The Company is still in the process of calculating the amount of lost income due to the participants.

Note 8—Fair value measurements

See "*Fair Value Measurement*" in Note 2 above for discussions of the methodologies and assumptions used to determine the fair value of the Plan's investments. In accordance with Financial Accounting Standards Board Accounting Standard Codification 820 Subtopic 10, the pooled separate accounts and common / collective trusts held by the Plan are measured at fair value using NAV per share (or its equivalent) as a practical expedient and are exempt from the fair value hierarchy.

QUANTUM DYNAMICS, INC. 401(k) PROFIT SHARING PLAN
NOTES TO THE FINANCIAL STATEMENTS

DECEMBER 31, 2022 AND 2021

Note 8—Fair value measurements (continued)

The following tables summarize investments for which fair value is measured using NAV per share practical expedient as of:

December 31, 2022				
	<u>Fair Value</u>	<u>Unfunded Commitments</u>	<u>Redemption Frequency</u>	<u>Redemption Period Notice</u>
Pooled separate accounts	\$ 2,604,853	n/a	Daily	30 days
Common / collective trusts	\$ 1,083,622	n/a	Daily	30 days
December 31, 2021				
	<u>Fair Value</u>	<u>Unfunded Commitments</u>	<u>Redemption Frequency</u>	<u>Redemption Period Notice</u>
Pooled separate accounts	\$ 5,256,144	n/a	Daily	30 days
Common / collective trusts	\$ 1,162,046	n/a	Daily	30 days

Note 9—Reconciliation of financial statements to Form 5500

The following is a reconciliation of net assets available for benefits per the financial statements to Form 5500 as of December 31, 2022 and 2021:

	<u>2022</u>	<u>2021</u>
Net assets available for benefits per the financial statements	\$ 3,705,111	\$ 6,439,817
Excess contributions payable	15,006	14,207
Net assets per Form 5500	<u>\$ 3,720,117</u>	<u>\$ 6,454,024</u>

The following is a reconciliation of the net increase in net assets available for benefits per the financial statements to Form 5500 for the year ended December 31, 2022:

Net decrease in net assets available for benefits per the financial statements	\$ (2,734,706)
Change in excess contributions payable	799
Net loss per Form 5500	<u>\$ (2,733,907)</u>

Note 10—Subsequent events

In accordance with U.S. GAAP related to subsequent events, the Plan has evaluated all events subsequent through October 16, 2023, the date these financial statements were available to be issued.

SUPPLEMENTAL SCHEDULES

QUANTUM DYNAMICS, INC. 401(k) PROFIT SHARING PLAN
SCHEDULE OF DELINQUENT PARTICIPANT CONTRIBUTIONS
FORM 5500, SCHEDULE H, PART IV, LINE 4a
EIN: 52-2340609, PLAN NUMBER: 001

YEAR ENDED DECEMBER 31, 2022

Year	Participant Contributions Transferred Late to the Plan	Check Here if Late Participant Loan Repayments are Included	Total That Constitutes Nonexempt Prohibited Transactions			Total Fully Corrected Under Voluntary Fiduciary Correction Program and PTE 2002-51
			Contributions Not Corrected	Contribution Corrections Outside Voluntary Fiduciary Correction Program	Contributions Pending Correction in Voluntary Fiduciary Correction Program	
2022	\$ 58,662	X	\$ 58,662	\$ -	\$ -	\$ -
	<u>\$ 58,662</u>		<u>\$ 58,662</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

QUANTUM DYNAMICS, INC. 401(k) PROFIT SHARING PLAN
SCHEDULE OF ASSETS (HELD AT END OF YEAR)
FORM 5500, SCHEDULE H, PART IV, LINE 4i
EIN: 52-2340609, PLAN NUMBER: 001

DECEMBER 31, 2022

(a)	(b)	(c)	(e)
	Identify of Issue, Borrower, Lessor, or Similar Party	Description of Investment Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Current Value
	Pooled Separate Accounts:		
	AEGON	AEGON Balances Ret Opt	\$ 18,051
	AEGON	AEGON Bond Ret Opt	35,741
	American Century	American Century Focused Large Com Val Inv Opt	16,404
	American Funds	American Funds Balanced Inv Opt	17,294
	American Funds	American Funds Growth Fund of America Inv Opt	45,083
	Artisan	Artisan Small Cap Ret Opt	25,318
	BNY Mellon	BNY Mellon International Core Equity Inv Opt	188,793
	Fidelity	Fidelity Advisor Equity Income Inv Opt	37,998
	Fidelity	Fidelity Advisor Small Cap Inv Opt	100,263
	Franklin	Franklin Biotechnology Discovery Inv Opt	97,882
	Franklin	Franklin Utilities Inv Opt	242,373
	Invesco	Invesco American Franchise Inv Opt	22,085
	Invesco	Invesco Value Opportunities Inv Opt	42,178
	J.P. Morgan	JPMorgan Government Securities Ret Opt	21,025
	Loomis, Sayles & Company	Loomis Sayles Bond Ret Opt	23,256
	Morgan Stanley	Morgan Stanley Growth Opportunities Ret Opt	279,583
	Morgan Stanley	Morgan Stanley Growth Ret Opt	431,830
	State Street	SSgA International Index Ret Opt	3,168
	State Street	SSgA Russell Small Cap Index Ret Opt	7,240
	State Street	SSgA Russell Small Cap Value Index Ret Opt	9,292
	State Street	SSgA S&P Mid Cap Index Ret Opt	315,338
	Templeton	Templeton Foreign Ret Opt	6,247
*	Transamerica	Transamerica Partners High Yield Bond Ret Opt	43,569
*	Transamerica	Transamerica Partners Large Core Ret Opt	28,636
*	Transamerica	Transamerica Partners Large Value Ret Opt	7,130
*	Transamerica	Transamerica Partners Mid Value Ret Opt	47,494
*	Transamerica	Transamerica Partners Stock Index Ret Opt	64,033
*	Transamerica	WMC Disciplined US Growth Ret Opt	418,312
	Vanguard	Vanguard REIT Index Ret Opt	9,237
	Total Pooled Separate Accounts		2,604,853
	Common / Collective Trusts:		
*	Transamerica	Transamerica Stable Value Option	977,245
*	Transamerica	Transamerica Stable Value Option Forfeiture	106,377
	Total Common / Collective Trusts		1,083,622
	Notes Receivable from Participants:		
*	Participant loans	Bearing interest rates of 4.25% to 5.75%, maturing dates through May 2027	17,155
	Total Assets (Held at Year End)		\$ 3,705,630

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

Column (d) cost information is not presented as these are participant-directed accounts.

The above information has been certified by Transamerica Life Insurance Company, the Trustee, as complete and accurate.

QUANTUM DYNAMICS, INC. 401(k) PROFIT SHARING PLAN
SCHEDULE OF ASSETS (HELD AT END OF YEAR)
FORM 5500, SCHEDULE H, PART IV, LINE 4i
EIN: 52-2340609, PLAN NUMBER: 001

DECEMBER 31, 2022

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