# 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

**2018**

**This Form is Open to Public Inspection**

## Part I Annual Report Identification Information

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

**A** This return/report is for:
- [ ] a multiemployer plan
- [ ] a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
- [X] a single-employer plan
- [ ] 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:
- [X] Form 5558
- [ ] automatic extension
- [ ] the DFVC program
- [ ] special extension (enter description)

## Part II Basic Plan Information—enter all requested information

**1a** Name of plan
ADVANCED SYSTEMS GROUP LLC 401(K) PLAN

**1b** Three-digit plan number (PN) ▶ 001

**1c** Effective date of plan 10/15/2015

**2a** Plan sponsor's name (employer, if for a single-employer plan)
Mailing address (include room, apt., suite no. and street, or P.O. Box)
City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions)
ADVANCED SYSTEMS GROUP, LLC

1226 POWEL ST
EMERYVILLE, CA 94608-2618

**2b** Employer Identification Number (EIN)
94-3286495

**2c** Plan Sponsor's telephone number
510-654-8300

**2d** Business code (see instructions)
334310

**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. | 10/16/2019 | AMY ZENO |
| | **Signature of plan administrator** | Date | Enter name of individual signing as plan administrator |
| **SIGN HERE** | Filed with authorized/valid electronic signature. | 10/16/2019 | DAVID VANHOY |
| | **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 [X] 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** | 122 |
| **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)** | 111 |
| **a(2)** Total number of active participants at the end of the plan year | **6a(2)** | 137 |
| **b** Retired or separated participants receiving benefits | **6b** | 0 |
| **c** Other retired or separated participants entitled to future benefits | **6c** | 10 |
| **d** Subtotal. Add lines **6a(2)**, **6b**, and **6c** | **6d** | 147 |
| **e** Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. | **6e** | 1 |
| **f** Total. Add lines **6d** and **6e**. | **6f** | 148 |
| **g** Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) | **6g** | 107 |
| **h** Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested | **6h** | 0 |
| **7** Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item) | **7** | |

**8a** If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:
2E 2F 2G 2J 2S 2T 3D

**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) | | **9b** Plan benefit arrangement (check all that apply) | |
|---|---|---|---|
| **(1)** | [ ] Insurance | **(1)** | [ ] Insurance |
| **(2)** | [ ] Code section 412(e)(3) insurance contracts | **(2)** | [ ] Code section 412(e)(3) insurance contracts |
| **(3)** | [X] Trust | **(3)** | [X] Trust |
| **(4)** | [ ] General assets of the sponsor | **(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)** [X] **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)** [X] **H** (Financial Information)

**(2)** [ ] **I** (Financial Information – Small Plan)

**(3)** [ ] ___ **A** (Insurance Information)

**(4)** [X] **C** (Service Provider Information)

**(5)** [X] **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 2018 Form M-1 annual report. If the plan was not required to file the 2018 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code_____

| SCHEDULE C (Form 5500) | Service Provider Information | OMB No. 1210-0110 |
|---|---|---|
| Department of the Treasury<br>Internal Revenue Service<br>Department of Labor<br>Employee Benefits Security Administration<br>Pension Benefit Guaranty Corporation | This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).<br>▶ **File as an attachment to Form 5500.** | **2018**<br>**This Form is Open to Public Inspection.** |

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

**A** Name of plan
ADVANCED SYSTEMS GROUP LLC 401(K) PLAN

**B** Three-digit plan number (PN) ▶ 001

**C** Plan sponsor's name as shown on line 2a of Form 5500
ADVANCED SYSTEMS GROUP, LLC

**D** Employer Identification Number (EIN)
94-3286495

## Part I Service Provider Information (see instructions)

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). . . . . [X] 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

PRINCIPAL LIFE INSURANCE COMPANY

42-0127290

**(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)

PRINCIPAL LIFE INSURANCE COMPANY

42-0127290

| (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? |
|---|---|---|---|---|---|---|
| 13 50 64 | CONTRACT ADMINISTRATOR | 800 | Yes [X] No [ ] | Yes [X] No [ ] | 0 | Yes [ ] No [X] |

**(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 [ ] |

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

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

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

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

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

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

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

## Part I Service Provider Information (continued)

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

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

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

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

## Part II Service Providers Who Fail or Refuse to Provide Information

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

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

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

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

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

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

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

## Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)

(complete as many entries as needed)

| | |
|---|---|
| **a** Name: | **b** EIN: |
| **c** Position: | |
| **d** Address: | **e** Telephone: |

Explanation:

| | |
|---|---|
| **a** Name: | **b** EIN: |
| **c** Position: | |
| **d** Address: | **e** Telephone: |

Explanation:

| | |
|---|---|
| **a** Name: | **b** EIN: |
| **c** Position: | |
| **d** Address: | **e** Telephone: |

Explanation:

| | |
|---|---|
| **a** Name: | **b** EIN: |
| **c** Position: | |
| **d** Address: | **e** Telephone: |

Explanation:

| | |
|---|---|
| **a** Name: | **b** EIN: |
| **c** Position: | |
| **d** Address: | **e** Telephone: |

Explanation:

# SCHEDULE 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

**2018**

**This Form is Open to Public Inspection.**

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

**A** Name of plan
ADVANCED SYSTEMS GROUP LLC 401(K) PLAN

**B** Three-digit plan number (PN) ▶ 001

**C** Plan or DFE sponsor's name as shown on line 2a of Form 5500
ADVANCED SYSTEMS GROUP, LLC

**D** Employer Identification Number (EIN)
94-3286495

**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)

**a** Name of MTIA, CCT, PSA, or 103-12 IE: PRINCIPAL STABLE VALUE SGNTURE

**b** Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

| **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) |
|---|---|---|
| 93-6274328-001 | C | 25 |

**a** Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYBR 2010 CIT R2

**b** Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

| **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) |
|---|---|---|
| 26-6447574-001 | C | 66725 |

**a** Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYBR 2015 CIT R2

**b** Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

| **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) |
|---|---|---|
| 26-6447574-002 | C | 28369 |

**a** Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYBR 2020 CIT R2

**b** Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

| **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) |
|---|---|---|
| 26-6447574-003 | C | 128343 |

**a** Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYBR 2025 CIT R2

**b** Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

| **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) |
|---|---|---|
| 26-6447574-004 | C | 85522 |

**a** Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYBR 2030 CIT R2

**b** Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

| **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) |
|---|---|---|
| 26-6447574-005 | C | 84620 |

**a** Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYBR 2035 CIT R2

**b** Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

| **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) |
|---|---|---|
| 26-6447574-006 | C | 111592 |

**a** Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYBR 2040 CIT R2

**b** Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

| **c** EIN-PN 26-6447574-007 | **d** Entity code C | **e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 243776 |
|---|---|---|

**a** Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYBR 2045 CIT R2

**b** Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

| **c** EIN-PN 26-6447574-008 | **d** Entity code C | **e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 144470 |
|---|---|---|

**a** Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYBR 2050 CIT R2

**b** Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

| **c** EIN-PN 26-6447574-009 | **d** Entity code C | **e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 54395 |
|---|---|---|

**a** Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYBR 2055 CIT R2

**b** Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

| **c** EIN-PN 26-6447574-010 | **d** Entity code C | **e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 11504 |
|---|---|---|

**a** Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYBR 2060 CIT R2

**b** Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

| **c** EIN-PN 26-6447574-012 | **d** Entity code C | **e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 520 |
|---|---|---|

**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) |
|---|---|---|

**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) |
|---|---|---|

**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) |
|---|---|---|

**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) |
|---|---|---|

**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) |
|---|---|---|

## 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 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 |

| | |
|---|---|
| **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

**2018**

**This Form is Open to Public Inspection**

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

**A** Name of plan
ADVANCED SYSTEMS GROUP LLC 401(K) PLAN

**B** Three-digit plan number (PN) ▶ 001

**C** Plan sponsor's name as shown on line 2a of Form 5500
ADVANCED SYSTEMS GROUP, LLC

**D** Employer Identification Number (EIN)
94-3286495

## 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) | 0 | 0 |
| **(2)** Participant contributions | 1b(2) | 16120 | 17600 |
| **(3)** Other | 1b(3) | 0 | 0 |
| **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) | | |
| **(9)** Value of interest in common/collective trusts | 1c(9) | 652338 | 959861 |
| **(10)** Value of interest in pooled separate accounts | 1c(10) | | |
| **(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) | 102244 | 156216 |
| **(14)** Value of funds held in insurance company general account (unallocated contracts) | 1c(14) | | |
| **(15)** Other | 1c(15) | | |

| | | | (a) Beginning of Year | (b) End of Year |
|---|---|---|---|---|
| **1d** | Employer-related investments: | | | |
| | **(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 | 770702 | 1133677 |
| | **Liabilities** | | | |
| **g** | Benefit claims payable | 1g | 0 | |
| **h** | Operating payables | 1h | 0 | |
| **i** | Acquisition indebtedness | 1i | 0 | |
| **j** | Other liabilities | 1j | 0 | |
| **k** | Total liabilities (add all amounts in lines 1g through1j) | 1k | 0 | 0 |
| | **Net Assets** | | | |
| **l** | Net assets (subtract line 1k from line 1f) | 1l | 770702 | 1133677 |

## Part II Income and Expense Statement

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

| | Income | | (a) Amount | (b) Total |
|---|---|---|---|---|
| **a** | **Contributions:** | | | |
| | **(1)** Received or receivable in cash from: **(A)** Employers | 2a(1)(A) | 0 | |
| | **(B)** Participants | 2a(1)(B) | 553074 | |
| | **(C)** Others (including rollovers) | 2a(1)(C) | 31894 | |
| | **(2)** Noncash contributions | 2a(2) | | |
| | **(3)** Total contributions. Add lines **2a(1)(A), (B), (C),** and line **2a(2)** | 2a(3) | | 584968 |
| **b** | **Earnings on investments:** | | | |
| | **(1)** Interest: | | | |
| | **(A)** Interest-bearing cash (including money market accounts and certificates of deposit) | 2b(1)(A) | 0 | |
| | **(B)** U.S. Government securities | 2b(1)(B) | 0 | |
| | **(C)** Corporate debt instruments | 2b(1)(C) | 0 | |
| | **(D)** Loans (other than to participants) | 2b(1)(D) | 0 | |
| | **(E)** Participant loans | 2b(1)(E) | | |
| | **(F)** Other | 2b(1)(F) | 0 | |
| | **(G)** Total interest. Add lines **2b(1)(A)** through **(F)** | 2b(1)(G) | | 0 |
| | **(2)** Dividends: **(A)** Preferred stock | 2b(2)(A) | 0 | |
| | **(B)** Common stock | 2b(2)(B) | 0 | |
| | **(C)** Registered investment company shares (e.g. mutual funds) | 2b(2)(C) | 1564 | |
| | **(D)** Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)** | 2b(2)(D) | | 1564 |
| | **(3)** Rents | 2b(3) | | 0 |
| | **(4)** Net gain (loss) on sale of assets: **(A)** Aggregate proceeds | 2b(4)(A) | 0 | |
| | **(B)** Aggregate carrying amount (see instructions) | 2b(4)(B) | 0 | |
| | **(C)** Subtract line **2b(4)(B)** from line **2b(4)(A)** and enter result | 2b(4)(C) | | 0 |
| | **(5)** Unrealized appreciation (depreciation) of assets: **(A)** Real estate | 2b(5)(A) | 0 | |
| | **(B)** Other | 2b(5)(B) | 0 | |
| | **(C)** Total unrealized appreciation of assets. Add lines **2b(5)(A)** and **(B)** | 2b(5)(C) | | 0 |

| | | (a) Amount | (b) Total |
|---|---|---|---|
| (6) Net investment gain (loss) from common/collective trusts | 2b(6) | | -84912 |
| (7) Net investment gain (loss) from pooled separate accounts | 2b(7) | | 0 |
| (8) Net investment gain (loss) from master trust investment accounts | 2b(8) | | 0 |
| (9) Net investment gain (loss) from 103-12 investment entities | 2b(9) | | 0 |
| (10) Net investment gain (loss) from registered investment companies (e.g., mutual funds) | 2b(10) | | -14771 |
| c Other income | 2c | | 1242 |
| d Total income. Add all **income** amounts in column (b) and enter total | 2d | | 488091 |
| **Expenses** | | | |
| e Benefit payment and payments to provide benefits: | | | |
| (1) Directly to participants or beneficiaries, including direct rollovers | 2e(1) | 124316 | |
| (2) To insurance carriers for the provision of benefits | 2e(2) | 0 | |
| (3) Other | 2e(3) | 0 | |
| (4) Total benefit payments. Add lines **2e(1)** through **(3)** | 2e(4) | | 124316 |
| f Corrective distributions (see instructions) | 2f | | 0 |
| g Certain deemed distributions of participant loans (see instructions) | 2g | | |
| h Interest expense | 2h | | |
| i Administrative expenses: **(1)** Professional fees | 2i(1) | 0 | |
| (2) Contract administrator fees | 2i(2) | 800 | |
| (3) Investment advisory and management fees | 2i(3) | 0 | |
| (4) Other | 2i(4) | 0 | |
| (5) Total administrative expenses. Add lines **2i(1)** through **(4)** | 2i(5) | | 800 |
| j Total expenses. Add all **expense** amounts in column (b) and enter total | 2j | | 125116 |
| **Net Income and Reconciliation** | | | |
| k Net income (loss). Subtract line **2j** from line **2d** | 2k | | 362975 |
| l Transfers of assets: | | | |
| (1) To this plan | 2l(1) | | 0 |
| (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)** [ ] Unqualified **(2)** [ ] Qualified **(3)** [X] Disclaimer **(4)** [ ] Adverse

**b** Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? [X] Yes [ ] No

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

**(1)** Name: DON KEESLING **(2)** EIN: 95-3178278

**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)** [X] 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:

| | | Yes | No | Amount |
|---|---|---|---|---|
| **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.) | 4a | X | | 55145 |
| **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 | 0 |

| | | | Yes | No | Amount |
|---|---|---|---|---|---|
| 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 | 0 |
| 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 | 0 |
| e | Was this plan covered by a fidelity bond? | 4e | X | | 75000 |
| f | Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty? | 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.) | 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 | | | |

**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** If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ..... ☐ Yes ☐ No ☐ Not determined
If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year_____. (See instructions.)

# 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

**2018**

**This Form is Open to Public Inspection.**

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

**A** Name of plan
ADVANCED SYSTEMS GROUP LLC 401(K) PLAN

**B** Three-digit plan number (PN) ▶ 001

**C** Plan sponsor's name as shown on line 2a of Form 5500
ADVANCED SYSTEMS GROUP, LLC

**D** Employer Identification Number (EIN)
94-3286495

## 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): 42-0127290

**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**

## Part V Additional Information for Multiemployer Defined Benefit Pension Plans

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

**a** Name of contributing employer

**b** EIN **c** Dollar amount contributed by employer

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

**e** Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify):

---

**a** Name of contributing employer

**b** EIN **c** Dollar amount contributed by employer

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

**e** Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

**a** Name of contributing employer

**b** EIN **c** Dollar amount contributed by employer

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

**e** Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

**a** Name of contributing employer

**b** EIN **c** Dollar amount contributed by employer

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

**e** Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

**a** Name of contributing employer

**b** EIN **c** Dollar amount contributed by employer

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

**e** Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

**a** Name of contributing employer

**b** EIN **c** Dollar amount contributed by employer

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

**e** Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

**14** Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:

| | | |
|---|---|---|
| **a** The current year | **14a** | |
| **b** The plan year immediately preceding the current plan year | **14b** | |
| **c** The second preceding plan year | **14c** | |

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

| | | |
|---|---|---|
| **a** The corresponding number for the plan year immediately preceding the current plan year | **15a** | |
| **b** The corresponding number for the second preceding plan year | **15b** | |

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

| | | |
|---|---|---|
| **a** Enter the number of employers who withdrew during the preceding plan year | **16a** | |
| **b** If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers | **16b** | |

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

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

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

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

**a** Enter the percentage of plan assets held as:
Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%

**b** Provide the average duration of the combined investment-grade and high-yield debt:
☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

**c** What duration measure was used to calculate line 19(b)?
☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify):

*Financial Statements*

# Advanced Systems Group, LLC 401(k) Plan

Years Ended December 31, 2018

Maryanov Madsen Gordon & Campbell
CERTIFIED PUBLIC ACCOUNTANTS - A Professional Corporation

# INDEPENDENT AUDITORS' REPORT

To The Partners of
Advanced Systems Group, LLC 401(k) Plan

## Report on the Financial Statements

We were engaged to audit the accompanying financial statements of Advanced Systems Group, LLC 401(k) Plan (the Plan), which comprise the statement of net assets available for benefits as of December 31, 2018, and the related statement of changes in net assets available for benefits for the year ended December 31, 2018, and the related notes to the financial statements.

## Management's Responsibility 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; this includes 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.

## Auditors' Responsibility

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

## Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, the plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 3, which was certified by Principal Trust Company, the trustee of the Plan, except for comparing the information with the related information included in the financial statements and supplemental schedule. We have been informed by the plan administrator that the trustee holds the Plan's investment assets and executes investment transactions. The plan administrator has obtained a certification from the trustee as of and for the years ended December 31, 2018, that the information provided to the plan administrator by the trustee is complete and accurate.

To The Administrative Committee of
Advanced Systems Group, LLC 401(k) Plan

**Disclaimer of Opinion**

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

**Other Matter**

The supplemental schedule of assets held for investment as of the year ended December 31, 2018, is required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 and is presented for the purpose of additional analysis and is not a required part of the financial statements. Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we do not express an opinion on the supplemental schedule referred to above.

**Report on Form and Content in Compliance With DOL Rules and Regulations**

The form and content of the information included in the financial statements and supplemental schedule, other than that derived from the information certified by the trustee, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974.

Maryanov Mader Gordon & Campbell

Palm Springs, CA
October 9, 2019

ADVANCED SYSTEMS GROUP, LLC 401(K) PLAN

STATEMENT OF NET ASSETS AVAILABLE FOR BENEFITS
DECEMBER 31, 2018

ASSETS

| | 2018 |
|---|---|
| Investments at fair value | |
| Mutual funds | $ 156,216 |
| Pooled separate accounts | 961,436 |
| Total investments at fair value | 1,117,652 |
| Participants' contribution receivable | 16,422 |
| Total assets | 1,134,074 |
| Net assets available for benefits | $ 1,134,074 |

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

ADVANCED SYSTEMS GROUP, LLC 401(K) PLAN

STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
YEAR ENDED DECEMBER 31, 2018

| | |
|---|---|
| ADDITIONS | |
| Additions to net assets attributed to: | |
| Investment income (loss): | |
| Net depreciation in fair value of investments | $ (108,265) |
| Interest | 1,242 |
| Dividends | 12,211 |
| Realized loss on investments | (2,070) |
| Total investment loss | (96,882) |
| Contributions: | |
| Participant deferrals | 541,471 |
| Participant rollovers | 31,894 |
| Total contributions | 573,365 |
| Total additions | 476,483 |
| DEDUCTIONS | |
| Deductions from net assets attributed to: | |
| Benefits paid to participants | 124,316 |
| Administration expense | 800 |
| Total deductions | 125,116 |
| NET INCREASE | 351,367 |
| NET ASSETS AVAILABLE FOR BENEFITS | |
| Beginning of year | 782,707 |
| End of year | $ 1,134,074 |

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

## NOTE 1: DESCRIPTION OF PLAN

The following description of the Advance Systems Group LLC 401(k) Plan (the Plan) provides only general information. Participants should refer to the Plan agreement for a more complete description of the Plan's provisions.

### General

The Plan is a defined contribution plan covering all employees of Advance Systems Group, , (the Company) who have completed three months of service. It is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA). The Plan has no minimum age requirement, except that set forth by ERISA. The ERISA minimum age requirement is 21.

### Contributions

Upon eligibility, participants are automatically enrolled in the Plan at a 3% deferral rate, unless an election to contribute less, or not to participate, is made. Each year, participants may contribute up to 75% of pretax annual compensation, as defined by the Plan. Participants may also contribute amounts representing distributions from other qualified defined benefit or defined contribution plans. Participants direct the investment of their contributions into various investment options offered by the Plan. The Plan currently offers 34 mutual funds as investment options for participants. Contributions are subject to certain statutory limitations.

### Participant Accounts

Each participant's account is credited with the participant's contribution and allocations of (a) the Company's matching contribution and, (b) Plan earnings (losses), and charged with an allocation of administrative expenses. Allocations are based on participant earnings or account balances, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

### Vesting

Participants are immediately vested in their contributions plus actual earnings thereon.

Continued

NOTE 1: DESCRIPTION OF PLAN (Continued)

Payment of Benefits

On termination of service due to death, disability or retirement, a participant may elect to receive either a lump-sum amount equal to the value of the participant's vested interest in his or her account, or annual installments over a variety of periods, that the participant may choose. For termination of service due to other reasons, a participant may receive the value of the vested interest in his or her account as a lump-sum distribution. An active employee may elect to receive an in-service distribution either upon attaining age 59½ or through a hardship withdrawal.

NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting

The financial statements of the Plan are prepared on the accrual basis of accounting.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires Plan management to make estimates and assumptions that affect certain reported amounts of assets and liabilities and changes therein, and disclosures of contingent assets and liabilities. Actual results could differ from those estimates.

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. See Note 4 for discussion of fair value measurements.

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 appreciation includes the Plan's gains and losses on investments bought and sold, as well as those held during the year.

Payment of Benefits

Benefits are recorded when paid.

Continued

NOTE 2: SUMMARY OF ACCOUNTING POLICIES (Continued)

Date of Management Evaluation

Plan management has evaluated subsequent events through October 9, 2019, the date which the financial statements were available to be issued.

NOTE 3: INVESTMENTS

The following table presents investments that represent five percent or more of the Plan's net assets, at fair value, at December 31, 2018:

| | 2018 |
|---|---|
| Principal Lifetime Hybrid 2020 | $ 128,343 |
| Principal Lifetime Hybrid 2025 | $ 85,522 |
| Principal Lifetime Hybrid 2030 | $ 84,620 |
| Principal Lifetime Hybrid 2010 | $ 66,725 |
| Principal Lifetime Hybrid 2035 | $ 112,023 |
| Principal Lifetime Hybrid 2040 | $ 243,994 |
| Principal Lifetime Hybrid 2045 | $ 144,804 |

During 2018, the Plan's investments, including gains and losses on investments bought and sold, as well as held during the year, depreciated in value by $108,265.

## NOTE 4: FAIR VALUE MEASUREMENTS

Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) 820, *Fair Value Measurements and Disclosures*, provides a framework for measuring fair value. The 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 or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy under FASB ASC 820-10 are described as follows:

- Level 1 inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the plan has the ability to access.

- Level 2 inputs to the valuation methodology include the following:
  - Quoted prices for similar assets or liabilities in active markets;
  - Quoted prices of identical or similar assets or liabilities in inactive markets;
  - Inputs other than quoted prices that are observable for the asset or liability; and
  - Inputs that are derived principally from, or corroborated by, observable market data by correlation or other means.

  If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

- Level 3 inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset's or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

Continued

NOTE 4: FAIR VALUE MEASUREMENTS (Continued)

The following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2018.

- *Mutual funds*: Valued at the net asset value of shares held by the Plan at year end. Net asset value is calculated by dividing the total value of all the securities in its portfolio, less any liabilities, by the number of fund shares outstanding.

The preceding methods described may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although 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.

The following tables set forth by level, within the fair value hierarchy, the Plan's fair value measurements at December 31, 2018:

| | 2018<br>Level 1 |
|---|---|
| Mutual funds | |
| Asset allocation | $ 961,436 |
| Fixed income funds | 36,119 |
| International funds | 21,580 |
| Large cap funds | 58,972 |
| Mid cap funds | 15,719 |
| Small cap funds | 23,826 |
| Total mutual funds | 1,117,652 |
| Total investments at fair value | $ 1,117,652 |

Continued

## NOTE 5: RELATED-PARTY TRANSACTIONS

Certain Plan investments are shares of mutual funds managed by Principal Trust Company (the Trust). The Trust is the service provider and, therefore, these transactions qualify as party-in-interest. Fees paid by the Plan for administrative services amounted to $800 for the year ended December 31, 2018. Fees paid by the Plan for the investment management services are included in net depreciation in fair value of investments.

The Company provides the Plan certain accounting and administrative services for which no fees are charged.

## NOTE 6: PLAN TERMINATION

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA.

## NOTE 7: TAX STATUS

The Plan obtained its latest determination on March 31, 2014, in which the IRS stated that the Plan, as then designed, was in compliance with the applicable requirements of the Internal Revenue Code (IRC). The Plan has been amended since receiving the determination letter. However, the Plan administrator and the Plan's tax counsel believe that the Plan is currently designed and being operated in compliance with the applicable requirements of the IRC. Therefore, no provision for income taxes has been calculated in the Plan's financial statements.

Accounting principles generally accepted in the United States of America require Plan management to evaluate 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. The Plan is subject to routine audits by taxing jurisdictions, however, there are currently no audits for any tax periods in progress. The Plan administrator believes the Plan is no longer subject to income tax examinations for years prior to 2015.

## NOTE 8: RISKS AND UNCERTAINTIES

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statement of net assets available for benefits.

## NOTE 9: INFORMATION CERTIFIED BY THE TRUSTEE

All investment information disclosed in the accompanying financial statements and supplemental schedule, including investments held at December 31, 2018, and the net change in fair value of investments for the year ended December 31, 2018, was obtained or derived from information supplied to the Plan administrator and certified as complete and accurate by the Plan's trustee.

## NOTE 10: RECONCILIATION OF FINANCIAL STATEMENTS TO FORM 5500

The following is a reconciliation of net assets available for benefits per the financial statements to the Form 5500:

| | 2018 |
|---|---|
| Net assets available for benefits per the financial statements | $ 1,134,074 |
| Difference in receivables: | |
| Participant contributions | 1,178 |
| Difference ins investments | (1,575) |
| Net assets available for benefits per Form 5500 | $ 1,133,677 |

The following is a reconciliation of total additions per the financial statements for the year ended December 31, 2018 to Form 5500:

| | |
|---|---|
| Total additions per the financial statements | $ 476,483 |
| Difference in investment income: | |
| Net depreciation in fair value of investments | 8,582 |
| Dividends | (10,647) |
| Realized loss on investments | 2,070 |
| Difference in contributions: | |
| Participant deferrals | 11,603 |
| Net additions per Form 5500 | $ 488,091 |

# Supplemental Schedule

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# SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

ADVANCED SYSTEMS GROUP LLC 401(K) PLAN

EIN 94 3286495
PLAN NUMBER 001
PLAN YEAR 01/01/2018 TO 12/31/2018

| (A) | (B) Identity of issuer, borrower, lessor or similar party. | (C) Description of investment including maturity date, rate of interest, collateral, par or maturity value. | (D) Cost | (E) Current Value |
|---|---|---|---|---|
| | American Funds Service Company | Registered Investment Company Am Fds EuroPacific Grth R1 Fd | $ 0.00 | $ 6,518.93 |
| | American Funds Service Company | Registered Investment Company Am Funds SMCAP World R1 Fund | $ 0.00 | $ 2,678.14 |
| | American Funds Service Company | Registered Investment Company American Funds Amer Mut R1 Fd | $ 0.00 | $ 8,070.04 |
| | American Funds Service Company | Registered Investment Company American Funds AMCAP R1 Fund | $ 0.00 | $ 8,569.18 |
| | The American Funds | Registered Investment Company American Funds New World R1 Fd | $ 0.00 | $ 2,664.74 |
| | Eaton Vance | Registered Investment Company EATON VANCE INC FD OF BOS C FD | $ 0.00 | $ 1,261.71 |
| | Fidelity Investments | Registered Investment Company Fidelity Adv Technology C Fund | $ 0.00 | $ 6,923.91 |
| | Franklin Templeton Investments | Registered Investment Company FRANKLIN STRAT INCOME C FUND | $ 0.00 | $ 543.75 |
| | Oppenheimer | Registered Investment Company Oppenheimer Int SMID Co C Fund | $ 0.00 | $ 1,330.86 |
| * | Principal Funds Inc | Registered Investment Company Prin Govt & HQ Bond R2 Fund | $ 0.00 | $ 23.13 |
| * | Principal Funds Inc | Registered Investment Company Prin Inflation Prot R2 Fund | $ 0.00 | $ 7,677.24 |
| * | Principal Funds Inc | Registered Investment Company Prin LargeCap Growth I R2 Fund | $ 0.00 | $ 6,676.94 |
| * | Principal Funds Inc | Registered Investment Company Prin LgCap S&P 500 Idx R2 Fund | $ 0.00 | $ 35,302.25 |
| * | Principal Global Investors Trust Co | Common/Collective Trust Prin LifeTime Hybr 2010 CIT R2 | $ 0.00 | $ 66,725.20 |
| * | Principal Global Investors Trust Co | Common/Collective Trust Prin LifeTime Hybr 2015 CIT R2 | $ 0.00 | $ 28,369.12 |

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

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|---|---|---|---|---|
| * | Principal Global Investors Trust Co | Common/Collective Trust Prin LifeTime Hybr 2020 CIT R2 | $ 0.00 | $ 128,342.79 |
| * | Principal Global Investors Trust Co | Common/Collective Trust Prin LifeTime Hybr 2025 CIT R2 | $ 0.00 | $ 85,522.05 |
| * | Principal Global Investors Trust Co | Common/Collective Trust Prin LifeTime Hybr 2030 CIT R2 | $ 0.00 | $ 84,620.41 |
| * | Principal Global Investors Trust Co | Common/Collective Trust Prin LifeTime Hybr 2035 CIT R2 | $ 0.00 | $ 111,592.13 |
| * | Principal Global Investors Trust Co | Common/Collective Trust Prin LifeTime Hybr 2040 CIT R2 | $ 0.00 | $ 243,775.64 |
| * | Principal Global Investors Trust Co | Common/Collective Trust Prin LifeTime Hybr 2045 CIT R2 | $ 0.00 | $ 144,469.81 |
| * | Principal Global Investors Trust Co | Common/Collective Trust Prin LifeTime Hybr 2050 CIT R2 | $ 0.00 | $ 54,394.89 |
| * | Principal Funds Inc | Registered Investment Company Prin MidCap S&P 400 Idx R2 Fd | $ 0.00 | $ 15,712.36 |
| * | Principal Funds Inc | Registered Investment Company Prin MidCap Value III R2 Fund | $ 0.00 | $ 7.00 |
| * | Principal Funds Inc | Registered Investment Company Prin SmallCap Growth I R2 Fund | $ 0.00 | $ 2,408.81 |
| * | Principal Funds Inc | Registered Investment Company Prin SmallCap Value II R2 Fund | $ 0.00 | $ 4,195.58 |
| * | Principal Funds Inc | Registered Investment Company Prin SmCap S&P 600 Idx R2 Fund | $ 0.00 | $ 17,221.08 |
| * | Principal Funds Inc | Registered Investment Company Principal Bond Mkt Index R2 Fd | $ 0.00 | $ 19,032.62 |
| * | Principal Funds Inc | Registered Investment Company Principal Int'l Eq Index R2 Fd | $ 0.00 | $ 7,712.12 |
| * | Principal Global Investors Trust Co | Common/Collective Trust Principal Stable Value Sgnture | $ 0.00 | $ 25.00 |

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

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|---|---|---|---|---|
| | PGIM Investments | Registered Investment Company PGIM Global RE C Fund | $ 0.00 | $ 944.55 |
| * | Principal Global Investors Trust Co | Common/Collective Trust PRIN LIFETIME HYBR 2055 CIT R2 | $ 0.00 | $ 11,504.47 |
| * | Principal Global Investors Trust Co | Common/Collective Trust PRIN LIFETIME HYBR 2060 CIT R2 | $ 0.00 | $ 519.69 |
| | Franklin Templeton Investments | Registered Investment Company Templeton Global Bond C Fund | $ 0.00 | $ 741.00 |
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SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

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EIN 94 3286495
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| * | Principal Global Investors Trust Co | Common/Collective Trust Principal Stable Value Sgnture | $ 0.00 | $ 25.00 |

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

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# SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

ADVANCED SYSTEMS GROUP LLC 401(K) PLAN

EIN 94 3286495
PLAN NUMBER 001
PLAN YEAR 01/01/2018 TO 12/31/2018

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SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)