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

2016

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

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
ABB INC. RETIREMENT SAVINGS PLAN

1b Three-digit plan number (PN) ▶ 302

1c Effective date of plan 01/01/1991

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)

ABB INC.

305 GREGSON DRIVE
CARY, NC 27511

2b Employer Identification Number (EIN) 36-3100018

2c Plan Sponsor's telephone number 919-856-2360

2d Business code (see instructions) 335900

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

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

SIGN HERE	Filed with authorized/valid electronic signature.	10/12/2017	DANIEL HAGMANN
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/11/2017	JAN ALLDE
	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

Preparer's name (including firm name, if applicable) and address (include room or suite number)

Preparer's telephone number

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 has changed since the last return/report filed for this plan, enter the name, EIN and the plan number from the last return/report:	**4b** EIN	
a Sponsor's name	**4c** PN	

5 Total number of participants at the beginning of the plan year	**5**	12653
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)**	8259
a(2) Total number of active participants at the end of the plan year	**6a(2)**	7850
b Retired or separated participants receiving benefits	**6b**	307
c Other retired or separated participants entitled to future benefits	**6c**	4054
d Subtotal. Add lines **6a(2)**, **6b**, and **6c**.	**6d**	12211
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	**6e**	85
f Total. Add lines **6d** and **6e**.	**6f**	12296
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**6g**	11934
h Number of participants that terminated employment during the plan year with accrued benefits that were less than 100% vested	**6h**	225
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:

2G 2J 2K 2E 2F 2S 2A 3H

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

9a Plan funding arrangement (check all that apply)		**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)** [ ] 0 **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 2016 Form M-1 annual report. If the plan was not required to file the 2016 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 Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	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.**	**2016** **This Form is Open to Public Inspection.**

For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

A Name of plan ABB INC. RETIREMENT SAVINGS PLAN	**B** Three-digit plan number (PN) ▶ 302
C Plan sponsor's name as shown on line 2a of Form 5500 ABB INC.	**D** Employer Identification Number (EIN) 36-3100018

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). . . . . ☐ 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

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

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)

MERILL LYNCH, PIERCE, FENNER, SMITH

13-5674085

(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 50 52 59 60 62 72	NONE	871481	Yes [X] No [ ]	Yes [X] No [ ]	0	Yes [X] No [ ]

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

GRANT THORNTON LLP

36-6055558

(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?
10 50	NONE	49550	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

WILLIS TOWERS WATSON

53-0181291

(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?
16 50	NONE	31209	Yes [ ] No [X]	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)

CURCIO WEBB

36-4171366

(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?
16 50	NONE	19544	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

UNITED FORMS FINISHING

22-2378813

(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?
99 50	NONE	7058	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

COOLEY LLP

94-1140085

(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?
29 50	NONE	5980	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

2016

This Form is Open to Public Inspection.

For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

A Name of plan
ABB INC. RETIREMENT SAVINGS PLAN

B Three-digit plan number (PN) ▶ 302

C Plan or DFE sponsor's name as shown on line 2a of Form 5500
ABB INC.

D Employer Identification Number (EIN)
36-3100018

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: ABB INC. DC PLANS MASTER TRUST

b Name of sponsor of entity listed in (a): ABB INC.

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)
36-3100018-051	M	1699483000

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)

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)

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)

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

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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)

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

2016

This Form is Open to Public Inspection

For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

A Name of plan
ABB INC. RETIREMENT SAVINGS PLAN

B Three-digit plan number (PN) ▶ 302

C Plan sponsor's name as shown on line 2a of Form 5500
ABB INC.

D Employer Identification Number (EIN)
36-3100018

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)	43416000	42935000
(2) Participant contributions	1b(2)	1946000	1554000
(3) Other	1b(3)		
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)	21883000	20503000
(9) Value of interest in common/collective trusts	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)	1603120000	1699483000
(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)		
(15) Other	1c(15)	-1906000	0

			(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	1668459000	1764475000
	Liabilities			
g	Benefit claims payable	1g		
h	Operating payables	1h	76000	113000
i	Acquisition indebtedness	1i		
j	Other liabilities	1j		
k	Total liabilities (add all amounts in lines 1g through1j)	1k	76000	113000
	Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	1668383000	1764362000

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)	64279000	
	(B) Participants	2a(1)(B)	70516000	
	(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)		134795000
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)	893000	
	(F) Other	2b(1)(F)		
	(G) Total interest. Add lines **2b(1)(A)** through **(F)**	2b(1)(G)		893000
	(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)		0
	(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)		0
	(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)		0

		(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)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		133428000
(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		269116000
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	172252000	
(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)		172252000
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)	89064	
(2) Contract administrator fees	2i(2)	871481	
(3) Investment advisory and management fees	2i(3)	19544	
(4) Other	2i(4)	10911	
(5) Total administrative expenses. Add lines **2i(1)** through **(4)**	2i(5)		991000
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		173243000
Net Income and Reconciliation			
k Net income (loss). Subtract line **2j** from line **2d**	2k		95873000
l Transfers of assets:			
(1) To this plan	2l(1)		106000
(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) ☒ Disclaimer (4) ☐ Adverse

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

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

(1) Name: GRANT THORNTON LLP (2) EIN: 36-6055558

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:

		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		12744
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	

			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	
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?	4e	X		40000000
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			
o	Defined Benefit Plan or Money Purchase Pension Plan Only: Were any distributions made during the plan year to an employee who attained age 62 and had not separated from service?	4o			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? If "Yes," enter the amount of any plan assets that reverted to the employer this year ☐ **Yes** ☒ **No** **Amount:**

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.)

Part V Trust Information

6a Name of trust	**6b** Trust's EIN

6c Name of trustee or custodian	**6d** Trustee's or custodian's telephone number

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

2016

This Form is Open to Public Inspection.

For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

A Name of plan
ABB INC. RETIREMENT SAVINGS PLAN

B Three-digit plan number (PN) ▶ 302

C Plan sponsor's name as shown on line 2a of Form 5500
ABB INC.

D Employer Identification Number (EIN)
36-3100018

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): 13-5674085

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 of 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: 0.0 % 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):

Part VII IRS Compliance Questions

20a Is the plan a 401(k) plan? If "No," skip b	☐ Yes ☐ No
20b How did the plan satisfy the nondiscrimination requirements for employee deferrals under section 401(k)(3) for the plan year? Check all that apply:	☐ Design-based safe harbor ☐ "Prior year" ADP test ☐ "Current year" ADP test ☐ N/A
21a What testing method was used to satisfy the coverage requirements under section 410(b) for the plan year? Check all that apply:	☐ Ratio percentage test ☐ Average benefit test ☐ N/A
21b Did the plan satisfy the coverage and nondiscrimination requirements of sections 410(b) and 401(a)(4) for the plan year by combining this plan with any other plan under the permissive aggregation rules?	☐ Yes ☐ No

22a If the plan is a master and prototype plan (M&P) or volume submitter plan that received a favorable IRS opinion letter or advisory letter, enter the date of the letter ____/____/____ and the serial number _____.

22b If the plan is an individually-designed plan that received a favorable determination letter from the IRS, enter the date of the most recent determination letter ____/____/____.

Financial Statements and Report of Independent Certified Public Accountants

ABB Inc. Retirement Savings Plan

December 31, 2016 and 2015

Table of contents

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REPORT OF INDEPENDENT CERTIFIED PUBLIC ACCOUNTANTS

The Plan Administrator of
ABB Inc. Retirement Savings Plan:

Report on the financial statements

We were engaged to audit the accompanying financial statements of the **ABB Inc. Retirement Savings Plan** (the "Plan"), which comprise the statements of net assets available for benefits as of December 31, 2016 and 2015, the related statements of changes in net assets available for benefits for the years ended December 31, 2016 and 2015, 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.

Auditor's responsibility

Our responsibility is to express an opinion on the 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 certified information described in Note 4, except for comparing such information with the related information included in the financial statements. We have been informed by the Plan administrator that the certifying entity meets the requirements of 29 CFR 2520.103-8. The Plan administrator obtained certifications from this entity, as of and for the years ended December 31, 2016 and 2015, stating that the certified information provided to the Plan administrator is complete and accurate.

Disclaimer of opinion

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

Supplementary information

The supplemental Schedule H, Line 4a – Schedule of delinquent participant contributions for the year ended December 31, 2016 and Schedule H, Line 4i – Schedule of assets (held at end of year) as of December 31, 2016, are presented for purposes of additional analysis and are not a required part of the financial statements, but are supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. 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 schedules.

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 schedules, other than that derived from the certified information described in Note 4, 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.

Grant Thornton LLP

Raleigh, North Carolina
October 4, 2017

Statements of net assets available for benefits

(Amounts in thousands)

December 31	2016	2015
	$	$
Assets		
Plan interest in the ABB Inc. Defined Contribution Plans Master Trust	1,699,483	1,601,214
Employee contributions receivable	1,554	1,946
Employer contributions receivable	42,935	43,416
Notes receivable from participants	20,503	21,883
Total assets	1,764,475	1,668,459
Liabilities		
Accrued expenses	113	76
Total liabilities	113	76
Net assets available for benefits	1,764,362	1,668,383

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

Statements of changes in net assets available for benefits

(Amounts in thousands)

For the years ended December 31	2016	2015
	$	$
Additions to (deductions from) net assets attributed to:		
Plan interest in ABB Inc. Defined Contribution Plans Master Trust, net investment gain (loss)	133,428	(5,913)
Interest income on notes receivable from participants	893	933
Employer contributions	64,279	64,881
Participant contributions	70,516	68,638
Benefits paid to participants	(172,252)	(168,867)
Administrative expenses	(991)	(1,124)
Net increase (decrease) before transfers	95,873	(41,452)
Net transfers in from other plans	106	96
Change in net assets available for benefits	95,979	(41,356)
Net assets available for benefits:		
Beginning of year	1,668,383	1,709,739
End of year	1,764,362	1,668,383

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

Notes to financial statements

1 Description of the Plan

ABB Inc. Retirement Savings Plan (RSP or the Plan) is a defined contribution plan covering all eligible full-time and part-time employees of ABB Inc. (the Company, the Employer or ABB). The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended (ERISA). Participants should refer to the Plan document for a complete description of the Plan's provisions.

The assets of the Plan are held in the ABB Inc. Defined Contribution Plans Master Trust (Master Trust), along with the assets of the Personal Retirement Investment and Savings Management Plan for Certain Represented Employees of ABB Inc. On May 1, 2014, Baldor Electric Company, plan sponsor of the Baldor Electric Company Employees Profit Sharing and Savings Plan (Baldor Plan) adopted the Master Trust agreement as a participating plan sponsor. On Aril 1, 2016, Thomas & Betts Corporation, plan sponsor of the Thomas & Betts Corporation Employees' Investment Plan (Thomas & Betts Plan) adopted the Master Trust agreement as a participating plan sponsor. Bank of America Merrill Lynch N.A. is the Trustee of the Master Trust. The Trustee maintains separate accounts for each plan. Accordingly, investment earnings and expenses are separately reflected in each plans' accounting records.

During 2016 and 2015, there were net transfers in of $105,849 and $95,554, respectively. These transfers primarily relate to participants in the Plan who transferred from the Personal Retirement Investment and Savings Management Plan for Certain Represented Employees of ABB Inc.

Eligibility

All nonunion salaried, certain hourly and certain non-U.S. resident (working for the Company in the United States) employees of the Company who are working as regular, full-time employees are eligible to participate in the Plan at any time after the date of hire. Regular part-time employees must complete 12 months of service and at least 1,000 hours of service to participate in the Plan.

Contributions

Participants can elect to make contributions to the Plan through payroll deductions in whole percentages from 1% to 50% of their annual compensation (as defined in the Plan document, subject to Internal Revenue Service (IRS) limitations) on a pretax or after-tax basis or can elect not to participate in the Plan altogether. If the participant does not make an election in the first 30 days of employment, there is an auto enrollment at a rate of 2%, which can be changed at any time by the participant. Over age 50 catch-up contributions can be made by eligible participants in whole percentages from 1% to 100% of their annual compensation (as defined in the Plan document, subject to IRS limitations). The Employer's contributions, where applicable, shall be equal to 50% of the participants' contributions made during the year, up to 6% of their annual compensation. The Plan Sponsor will provide an annual employer contribution calculated as an age-based percentage of the employee's eligible salary during the Plan year and is paid out in the first quarter of the following Plan year. The annual contribution receivable was $42.3 million for 2016 and $42.7 million for 2015. The Plan had additional employer contributions receivable of $654,048 and employee contributions receivable of $1,554,273 as of December 31, 2016. The Plan had additional employer contributions receivable of $715,076 and employee contributions receivable of $1,946,010 as of December 31, 2015. All of the Plan's investments are participant directed.

Vesting

All participant contributions and earnings thereon are fully vested at all times. Matching Employer and annual Company contributions and earnings thereon become 50% vested after the participant has completed two years of service and 100% vested after three years of service.

Participant Accounts

Each participant's account is credited with the participant's contributions, matching Employer contributions, and an allocation of: (i) the annual Company contribution and (ii) Plan earnings or losses. Earnings or losses are based on participants' individual account balances and investment choices. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Payment of Benefits

Upon termination of employment, retirement or death, the participant or beneficiary may receive a lump-sum cash distribution, or monthly or annual installments, depending upon the nature of the event and total vested value of the participant's account, as defined by the Plan document, or may elect to have the payment of benefits deferred up to age 70½ at which time distributions must commence.

Hardship Withdrawals

A participant may withdraw tax-deferred contributions for (a) medical expenses, (b) purchase of a principal residence, (c) payment of tuition expenses for educational fees and room and board expenses for post-secondary education, (d) to prevent eviction from principal residence or (e) any other reason set forth by the Commissioner of the IRS conditional upon satisfactory demonstration of the need and approval by the Company.

Notes Receivable from Participants

The Plan allows a participant to have up to two loans outstanding at any time. The minimum loan is $1,000 and the total amount of a participant's loan shall not exceed the lesser of:

- 50% of the participant's fully vested account balance; or
- $50,000, reduced by the participant's highest outstanding loan balance from the Plan during the one-year period ending on the day before the new loan is made.

Loans are repaid from payroll deductions. Interest rates on the loans are equal to the prime interest rate plus 1% on the first business day of the month preceding the calendar quarter in which the loan becomes effective. The interest rate for loans issued during 2016 and 2015 was 4.50% and 4.25%, respectively. Interest rates for outstanding loans ranged from 4.25% to 10.50% as of December 31, 2016 and from 3.25% to 10.5% as of December 31, 2015. Participants may elect to repay loans over a period of one to five years. If the purpose of the loan is to purchase the participant's principal residence, the loan may be repaid over a period of up to 20 years.

Forfeitures

Forfeitures of terminated participants' nonvested accounts are used to either pay expenses of the Plan or reduce future employer contributions. Unallocated forfeitures as of December 31, 2016 and 2015, were $13,803 and $1,294,095, respectively. The Plan used $2,013,245 and $22,250 to pay expenses of the Plan or reduce employer contributions during 2016 and 2015, respectively.

Administrative Expenses

Administrative expenses are paid by the Plan or the Company, at the discretion of the Company. Investment related expenses are included in the net appreciation (depreciation) in fair value of investments.

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. In the event of Plan termination, participants will become 100% vested in their accounts.

2 Summary of Significant Accounting Policies

Basis of Accounting

The accompanying financial statements have been prepared on the accrual basis of accounting.

Investment Valuation and Income Recognition

Assets of the Master Trust consist of mutual fund investments stated at quoted market value and participation units in collective trusts based on net assets values (NAV) on the last business day of the Plan's year-end (see Note 6).

The Master Trust also invests in synthetic investment contracts through the Income Fund (see Note 7). Investment contracts, held by a defined contribution plan or master trust, are required to be reported at fair value. However, contract value is the relevant measurement attribute for that portion of the net assets available for benefits of a defined contribution plan or master trust attributable to fully benefit-responsive investment contracts because contract value is the amount participants would receive if they were to initiate permitted transactions under the terms of the Plan. The statements of net assets available for benefits present the Income Fund at contract value. Contract value represents contributions made under the contract, plus interest at the contract rate, less funds used to pay benefits and administrative expenses of the contract.

Purchases and sales of securities are recorded on a trade-date basis. Dividends are recorded on the ex-dividend date. Interest income is recorded when earned. Net appreciation (depreciation) includes the Master Trust's gains and losses on investments bought, sold, and held during the year.

Risks and Uncertainties

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 statements of net assets available for benefits.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States requires management to make estimates that affect the amounts reported in the financial statements, accompanying notes and supplemental schedules. Actual results could differ from those estimates.

Payment of Benefits

Benefits are recorded when paid.

Notes Receivable from Participants

Notes receivable from participants represent participant loans that are recorded at their unpaid principal balance plus any accrued but unpaid interest. Interest income on notes receivable from participants is recorded when it is earned. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses has been recorded as of December 31, 2016 or 2015.

If a participant ceases to make loan repayments and the Plan administrator deems the participant loan to be a distribution, the participant loan balance is reduced and a benefit payment is recorded.

Subsequent Events

Management evaluated subsequent events for the Plan through October 4, 2017, the date the financial statements were available to be issued, and has determined that there are no material subsequent events that require adjustment to or disclosure in the financial statements, except as disclosed herein.

Recent Accounting Pronouncements

In May 2015, the FASB issued ASU 2015-07, *"Fair Value Measurement (Topic 820): Disclosures for Investments in Certain Entities That Calculate Net Asset Value per Share (or Its Equivalent),"* which exempts investments measured using the net asset value (NAV) practical expedient in ASC 820, *"Fair Value Measurement,"* from categorization within the fair value hierarchy. The guidance requires retrospective application and is effective for public business entities for fiscal years, and interim periods within those years, beginning after December 15, 2015. For all other entities, the guidance is effective for fiscal years, and interim periods within those years, beginning after December 15, 2016. Early adoption is permitted and the Plan adopted the ASU in these financial statements, resulting in the removal of the Plan's collective trust investments measured using NAV as the practical expedient from the fair value hierarchy. The amount of investments measured at NAV (or its equivalent) is disclosed so that total investments in the fair value hierarchy can be reconciled to total investments measured at fair value on the statements of net assets available for benefits.

In July 2015, the FASB issued ASU 2015-12, *"Plan Accounting: Defined Benefit Pension Plans (Topic 960), Defined Contribution Pension Plans (Topic 962), and Health and Welfare Benefit Plans (Topic 965): Part (I) Fully Benefit-Responsive Investment Contracts, Part (II) Plan Investment Disclosures, Part (III) Measurement Date Practical Expedient."* This three-part standard simplifies employee benefit plan reporting with respect to fully benefit-responsive investment contracts and plan investment disclosures and provides for a measurement-date practical expedient. Part I and Part II are effective for fiscal years beginning after December 15, 2015, and should be applied retrospectively, with early application permitted. Part III is effective for fiscal years beginning after December 15, 2015, and should be applied prospectively, with early application permitted.

Part III is not applicable to the Plan. Management has adopted Part I and Part II in these financial statements. Accordingly, the amendments were retrospectively applied, resulting in the Plan's investment in the Master Trust, the GSAM Stable Value Trust Fund investment being reported only at contract value in the accompanying statements of net assets available for benefits and management removed certain fair value disclosures related to this investment. Also, the disclosures of individual investments that represent 5% or more of net assets available for benefits, the net appreciation or depreciation in fair value of investments by general type and the level of disaggregation of investments that are measured at fair value has been simplified by disaggregating investments by general type versus disaggregating by nature, characteristics and risks.

3 Income Tax Status

The Internal Revenue Service (IRS) has determined and informed the Company by a letter dated February 17, 2016, that the Plan and related trust are designed in accordance with applicable sections of the Internal Revenue Code (IRC). Although the Plan has been amended since receiving the determination letter, the Plan administrator believes that the Plan is designed, and is currently being operated, in compliance with the applicable requirements of the IRC and, therefore, believes that the Plan is qualified, and related trust is tax exempt.

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 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. As of December 31, 2016 and 2015, 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.

4 Information Certified by Trustees

The information in the financial statements and supplemental schedules were summarized from information supplied and certified as complete and accurate by the Trustee. The Trustee holds the Master Trust's assets and executes transactions thereon. Financial information relating to the invested assets and income or loss thereon, and notes receivable from participants from participants and related interest income included in the accompanying financial statements and supplemental schedules is based upon information provided by the Trustee. The information was not audited by independent certified public accountants as permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

The Trustee has certified that the following data, included in the accompanying financial statements and supplemental schedules, is complete and accurate:

- Plan interest in the Master Trust and notes receivable from participants, as shown in the statements of net assets available for benefits at December 31, 2016 and 2015.
- Plan interest in Master Trust investment gain (loss) and interest income on notes receivable from participants, as shown in the accompanying statements of changes in net assets available for benefits for the years ended December 31, 2016 and 2015.
- Schedule H, Line 4i – Schedule of assets (held at end of year) as of December 31, 2016.
- Total investments and total net investment gain (loss) for the Master Trust as presented in Note 5.

The information obtained from the Trustee was not audited by independent public accountants as permitted by the above method of reporting compliance of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

5 Master Trust

At December 31, 2016 and 2015, the Plan had an 86.5% and 87.6% interest in the net assets of the Master Trust, respectively. Net assets, net investment income and gains and losses and losses to participating plans in the Master Trust were either a) based upon the actual experience of the underlying investment within the plan, or b) based upon the percentage ownership of the investment to the participating plan. Investment income relating to the Master Trust is allocated to the four plans in the Master Trust based on the balances invested by the Plan, the Personal Retirement Investment and Savings Management Plan for Certain Represented Employees of ABB Inc., the Thomas & Betts Corporation Employees' Investment Plan and the Baldor Electric Company Employees' Profit Sharing and Savings Plan. The Plan's interest in the net assets of the Master Trust is included in the accompanying statements of net assets available for benefits.

The following tables present the net assets for the Master Trust and the net investment gain (loss) for the Master Trust:

December 31	2016	2015
	$	$
Investments at contract value		
Income fund	537,824,736	498,481,370
Total investments at fair value	1,427,986,970	1,329,594,362
Total net assets	1,965,811,706	1,828,075,732

Years ended December 31	2016	2015
	$	$
Investment income:		
Dividends	37,418,889	47,475,707
Interest	1,512,163	1,665,157
Total investment income	38,931,052	49,140,864
Net appreciation (depreciation) in fair value of investments	776,871,998	(50,874,832)
Total net investment gain (loss)	815,803,050	(1,733,968)

6 Fair Value Measurements

ASC 820 clarifies the definition of fair value for financial reporting, establishes a framework for measuring fair value and requires additional disclosures about the use of fair value measurements.

The hierarchy established under ASC 820 gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). As required by ASC 820, the Master Trust investments are classified within the fair value hierarchy based on the lowest level of input that is significant to the fair value measurement. The three levels of the fair value hierarchy under ASC 820, and its applicability to the Master Trust's investments, are described below:

Level 1 Unadjusted quoted prices in active markets that are accessible at the measurement date for identical, unrestricted assets or liabilities.

Level 2 Quoted prices for similar assets or liabilities, or inputs that are observable, either directly or indirectly, for substantially the full term through corroboration with observable market data. Level 2 includes investments valued at quoted prices adjusted for legal and contractual restrictions specific to the security.

Level 3 Pricing inputs are unobservable for the asset or liability, that is, inputs that reflect the reporting entity's own assumptions about the assumptions market participants would use in pricing the asset or liability. Level 3 includes private investments that are supported by little or no market activity.

The methods used to measure the fair value calculation may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Master Trust 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. Following is a description of the valuation methodologies used for assets and liabilities measured at fair value. There have been no changes in the methodologies used at December 31, 2016 and 2015.

Collective trusts - Valued at NAV of units held as reported by the Trustee based on the fair value of the underlying assets less liabilities. There are currently no redemption restrictions or unfunded commitments on these investments.

Mutual funds - Valued at the NAV, based on quoted market prices in active markets, of shares held by the Plan at year-end. There are currently no redemption restrictions or unfunded commitments on these investments.

The following tables sets forth by level, within the fair value hierarchy, the Master Trust's assets at fair value as of December 31, 2016 and 2015:

	Master Trust Assets at Fair Value				
December 31, 2016	**Level 1**	**Level 2**	**Level 3**	**NAV**	**Total**
	$	**$**	**$**	**$**	**$**
Collective trusts	-	-	-	737,819,708	737,819,708
Mutual funds	690,167,262	-	-	-	690,167,262
Total investments at fair value	690,167,262	-	-	737,819,708	1,427,986,970

	Master Trust Assets at Fair Value				
December 31, 2015	**Level 1**	**Level 2**	**Level 3**	**NAV**	**Total**
	$	**$**	**$**	**$**	**$**
Collective trusts	-	-	-	659,482,073	659,482,073
Mutual funds	670,112,289	-	-	-	670,112,289
Total investments at fair value	670,112,289	-	-	659,482,073	1,329,594,362

There have been no changes in the methodologies used at December 31, 2016 and 2015. The determination of where an asset falls in the hierarchy requires significant judgment. The Plan evaluates its hierarchy disclosures each year and changes in economic conditions or valuation techniques may require the transfer of financial instruments from one fair value level to another. However, the Plan expects changes in classifications between levels will be rare. In such instances, the transfer is reported at the beginning of the reporting period. For the years ended December 31, 2016 and 2015, there were no transfers in or out of Levels 1, 2 or 3.

7 Investments at Contract Value

The GSAM Stable Value Trust Fund (Income Fund) is a conservative fixed income separately managed portfolio that seeks to provide a stable rate of return with preservation of principal and liquidity as primary objectives. The underlying investments are comprised of high quality, fixed income securities held in various collective trusts and a pooled separate account that are "wrapped" by synthetic investment contracts issued by high quality financial institutions and an insurance company and a money market fund held for liquidity purposes. Contract value is the relevant measurement attribute as these investment contracts are fully benefit-responsive. Contract value represents contributions plus earnings, less participant withdrawals and administrative expenses. Under the terms of the contracts, the crediting interest rates are rates negotiated by ABB with the issuers. Certain events, which is refer to as "market value events," may limit the ability of the stable value fund to realize the contract value of investment contracts and may, therefore, result in payments to participants that reflect fair value rather than contract value. Such events include, but are not limited to, certain amendments to the Plan documents or the Income Fund's investment guidelines not approved by issuers of investment contracts, failure to comply with certain contract provisions, complete or partial plan termination or merger with another plan, suspension or substantial reduction of Plan sponsor contributions to the Plan, debt default by the Plan sponsor, bankruptcy of the Plan sponsor or other Plan sponsor events that could cause substantial withdrawals from the Plan or the Income Fund, failure of the Trust which holds the assets of the Plan to qualify for exemption from federal income taxes, and the occurrence of certain prohibited transactions under ERISA. The Plan administrator does not believe that any events that have occurred to date constitute market value events. The Plan and Master Trust may terminate its investment in the Income Fund upon election and 10 days' notice.

8 Party-in-interest Transactions

Party-in-interest transactions include those with fiduciaries or employees of the Plan, any person who provides services to the Plan, an employer whose employees are covered by the Plan, an employee organization whose members are covered by the Plan, a person who owns 50% or more of such an employer or employee association or relatives of such persons.

The Plan paid $765,663 and $792,478 of recordkeeping fees to Merrill Lynch, Pierce, Fenner, and Smith during 2016 and 2015, respectively. The Company provides certain administrative services at no cost to the Plan. Goldman Sachs Asset Management provides services to both the Plan and the Master Trust. Notes receivable from participants were $20,503,044 as of December 31, 2016.

9 Contingencies

On December 29, 2006, Plaintiffs in Ronald Tussey, et al., v. ABB Inc., et al. (Tussey Case), filed a complaint in the United States District Court for the Western District of Missouri, for themselves and all participants in the Personal Retirement Investment and Savings Management Plan for Employees of ABB Inc. (now called ABB Inc. Retirement Savings Plan) and the Personal Retirement Investment and Savings Management Plan for Certain Represented Employees of ABB Inc. (the Plans), alleging breach of ERISA fiduciary duties against certain ABB defendants and against Fidelity Management Trust Company and Fidelity Management & Research Company, which provided administrative and recordkeeping services to the Plans. Specifically, the Plaintiffs claimed that the fees and expenses paid by the Plans to Fidelity were unreasonable and excessive, not incurred solely for the benefit of the Plans, and undisclosed to the participants and that the ABB defendants had breached their fiduciary discretion by removing the Wellington Fund investment option from the Plans and by mapping the assets of that Fund to Fidelity target dated funds.

On March 31, 2012, the trial Court issued its decision finding that the ABB and Fidelity defendants breached certain of their fiduciary duties to the Plan participants. The defendants appealed to the United States Court of Appeals for the Eighth Circuit. In its decision rendered on March 19, 2014, the Eighth Circuit affirmed the award of $13.4 million against the ABB Defendants based on Plaintiffs' excessive recordkeeping fees claim, vacated the award of $21.8 million regarding the replacement of the Wellington fund with the Fidelity target dated funds and vacated the award of attorneys' fees against all defendants, reversed the trial Court's judgment against Fidelity and remanded the case for reconsideration by the trial Court pursuant to the Eighth Circuit's decision. On August 5, 2014, the Plaintiffs filed a certiorari petition to the United States Supreme Court. The Supreme Court subsequently declined Plaintiffs' petition.

On July 9, 2015, the trial Court determined upon remand that the ABB Defendants had abused their discretion by deciding to remove the Wellington Fund investment alternative and to map assets of that Fund to the Fidelity target dated funds but the Court further held that the Plaintiffs had failed to prove damages in connection with that decision. Therefore, the trial Court entered judgment in favor of the ABB Defendants on that claim. Plaintiffs have filed a notice of appeal of the trial Court's judgment. In addition, Plaintiffs' counsel has submitted a new request to the trial Court for attorneys' fees. On December 9, 2015, judgment was entered in favor of the Plaintiffs, awarding attorney fees and costs totaling $13,896,295 to be paid by ABB.

ABB filed a notice of appeal and on March 9, 2017, the Eighth Circuit affirmed the District Court's ruling against ABB on liability for breach of fiduciary duty and vacated the judgement in favor of ABB finding no losses. The Court also vacated the award of attorneys' fees and remanded to the District Court. A decision on scheduling is pending. On August 16, 2017, ABB filed a petition for writ of certiorari to the United States Supreme Court regarding the Eighth Circuit's decision. The petition is pending.

Supplemental schedules

Schedule H, Line 4(a) - Schedule of delinquent participant contributions

For the year ended December 31, 2016

Participant Contributions Transferred Late to Plan	Total that Constitute Nonexempt Prohibited Transactions			
Check Here if Late Participant Loan Repayments are Included ☒	Contributions Not Corrected	Contributions Corrected Outside VFCP	Contributions Pending Correction in VFCP	Total Fully Corrected Under VFCP and PTE 2002-51
$	$	$	$	$
12,744	-	12,744 [(1)]	-	-
12,744	-	12,744	-	-

(1) Represents delinquent participant contributions and loan repayments from various 2015 pay periods. In 2016, the Company transmitted lost earnings to the Plan and filed Form 5330, *Return of Excise Taxes Related to Employee Benefit Plans*.

Schedule H, Line 4(i) - Schedule of assets (held at end of year)

As of December 31, 2016

(b) Identity of Issuer, Borrower, Lessor or Similar Party	(c) Description of Investment	(e) Current Value
		$
Notes receivable from participants *	Various maturity dates and interest rates ranging from 4.25% to 10.5%	20,503,044

* Indicates party-in-interest to the Plan. Cost information is not included for participant-directed investments.

Schedule H, Line 4(i) - Schedule of assets (held at end of year)

As of December 31, 2016

(b) Identity of Issuer, Borrower, Lessor or Similar Party	(c) Description of Investment	(e) Current Value
		$
Notes receivable from participants *	Various maturity dates and interest rates ranging from 4.25% to 10.5%	20,503,044

* Indicates party-in-interest to the Plan. Cost information is not included for participant-directed investments.