

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

1. General Information

1.1 Company Overview

Samsung Electronics Co., Ltd. (the “Company”) was incorporated under the laws of the Republic of Korea in 1969 and listed its shares on the Korea Stock Exchange in 1975.

The Company and its subsidiaries (collectively referred to as the “Group”) operate three business divisions: Consumer Electronics (“CE”), Information technology & Mobile communications (“IM”), and Device Solutions (“DS”). The CE division includes digital TVs, monitors, air conditioners and refrigerators and the IM division includes mobile phones, communication systems, and computers. The DS division includes products such as memory and system LSI in the semiconductor business (“Semiconductor”), and LCD and OLED panels in the display business (“DP”). The Company is domiciled in the Republic of Korea and the address of its registered office is Suwon, the Republic of Korea.

These interim consolidated financial statements have been prepared in accordance with Korean International Financial Reporting Standards (“Korean IFRS”) 1110, *Consolidated Financial Statements*. The Company, as the controlling company, consolidates its 279 subsidiaries including Samsung Display and Samsung Electronics America. The Group also applies the equity method of accounting for its 38 affiliates, including Samsung Electro-Mechanics.

1.2 Consolidated Subsidiaries

(A) The consolidated subsidiaries as at March 31, 2017 are as follows:

Area	Subsidiaries	Industry	Percentage of ownership ¹
	Samsung Display (SDC)	Manufacture and sale of display panels	84.8
	SU Materials	Manufacture of display components	50.0
	STECO	Manufacture of semiconductor components	70.0
	SEMES	Manufacture of semiconductor/FPD	91.5
	Samsung Electronics Service	Repair services for electronic devices	99.3
	Samsung Electronics Sales	Sale of electronic devices	100.0
	Samsung Electronics Logitech	General logistics agency	100.0
	Samsung Medison	Medical equipment	68.5
	Samsung Venture Capital Union #20	Technology business, Venture capital investments	99.0
	Samsung Venture Capital Union #21	Technology business, Venture capital investments	99.0
	Samsung Venture Capital Union #22	Technology business, Venture capital investments	99.0
Domestic	Samsung Venture Capital Union #23	Technology business, Venture capital investments	99.0
	Samsung Venture Capital Union #26	Technology business, Venture capital investments	99.0
	Samsung Venture Capital Union #27	Technology business, Venture capital investments	99.0
	Samsung Venture Capital Union #28	Technology business, Venture capital investments	99.0
	Samsung Venture Capital Union #29	Technology business, Venture capital investments	99.0
	Samsung Venture Capital Union #32	Technology business, Venture capital investments	99.0
	Samsung Venture Capital Union #33	Technology business, Venture capital investments	99.0
	Mirero System	Quality control system of semiconductor	81.0
	S-Printing Solution	Business of printing solutions	100.0
	Growth type private equity trust specialized in semiconductors	Investment on semiconductor industry	66.7
	Harman International Korea	Software development and supply etc	100.0
	Red Bend Software Korea	Software development and supply	100.0

¹ Ownership represents the Group’s ownership of voting rights in each entity.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

Area	Subsidiaries	Industry	Percentage of ownership ¹
	Samsung Electronics America (SEA)	Sale of electronic devices	100.0
	NexusDX (Nexus)	Medical equipment	100.0
	Kngine	Software development	100.0
	NeuroLogica	Medical equipment	100.0
	Samsung Semiconductor (SSI)	Sale of semiconductor/LCD	100.0
	Samsung Electronics Canada (SECA)	Sale of electronic devices	100.0
	Samsung Research America (SRA)	R&D	100.0
	Samsung Mexicana (SAMEX)	Manufacture of electronic devices	100.0
	Samsung International (SII)	Manufacture of TV/monitors	100.0
	Samsung Austin Semiconductor (SAS)	Manufacture of semiconductor	100.0
	Samsung Electronics Mexico (SEM)	Sale of electronic devices	99.9
	SEMES America (SEMESA)	Semiconductor equipment	100.0
	Samsung Electronics Digital Appliance Mexico (SEDAM)	Manufacture of electronic devices	99.9
	Samsung Electronics Latinoamerica Miami (SEMI)	Sale of electronic devices	100.0
	Samsung Electronics Latinoamerica (SELA)	Sale of electronic devices	100.0
	Samsung Electronics Venezuela (SEVEN)	Marketing and services	100.0
	Samsung Electronica Colombia (SAMCOL)	Sale of electronic devices	100.0
	Samsung Electronics Panama (SEPA)	Consulting	100.0
	Samsung Electronica da Amazonia (SEDA)	Manufacture and sale of electronic devices	100.0
	Samsung Electronics Argentina (SEASA)	Marketing and services	100.0
	Samsung Electronics Chile (SECH)	Sale of electronic devices	100.0
	Samsung Electronics Peru (SEPR)	Sale of electronic devices	100.0
America	RT SV CO-INVEST (RT-SV)	Technology business, Venture capital investments	99.9
	Quietside	Sale of heating and cooling products	100.0
	SmartThings	Sale of smart home electronics	100.0
	PrinterOn	Sale of printing solutions	100.0
	PrinterOn America	Sale of printing solutions	100.0
	Simpres	Sale of printing solutions	100.0
	Samsung Pay	Develop and provide mobile payment service	100.0
	Prismview (formerly YESCO Electronics)	Manufacture and sale of LED displays	100.0
	Beijing Integrated Circuit Industry International Fund (Beijing Fund)	Venture capital investments	61.4
	Stellus Technologies	Manufacture and sale of server semiconductor storage system	100.0
	Samsung Oak Holdings (SHI)	Holding company	100.0
	AdGear Technologies	Digital advertising platforms	100.0
	Joyent	Cloud Services	100.0
	Samsung Next	Holding Company	100.0
	Samsung Next Fund	Technology business, Venture capital investments	100.0
	Dacor Holdings	Holding Company	100.0
	Dacor	Manufacture and sale of Home appliances	100.0
	Dacor Canada	Sale of Home appliances	100.0
	EverythingDacor.com	Sale of Home appliances	100.0
	Distinctive Appliances of California	Sale of Home appliances	100.0
	Viv Labs	Research of AI technology	100.0
	NewNet Communication Technologies Canada	RCS (Rich Communication Service)	100.0

¹ Ownership represents the Group's ownership of voting rights in each entity.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

Area	Subsidiaries	Industry	Percentage of ownership ¹
	AMX Holding Corporation	Holding Company	100.0
	AMX LLC	Holding Company	100.0
	Harman Becker Automotive Systems	Manufacture and sale of audio products, R&D	100.0
	Harman Connected Services Engineering	Connected Service Provider	100.0
	Harman Connected Services Holding	Connected Service Provider	100.0
	Harman Connected Services	Connected Service Provider	100.0
	Harman Connected Services South America	Connected Service Provider	100.0
	Harman da Amazonia Industria Electronica e Participacoes	Manufacture and sale of audio products	100.0
	Harman de Mexico S. de R.L.	Manufacture of audio products	100.0
	Harman do Brasil Industria Electronica e Participacoes.	Sale of audio products, R&D	100.0
America	Harman Financial Group	Management Company	100.0
	Harman International Industries Canada	Sale of audio products	100.0
	Harman International Industries, Inc.	Holding Company	100.0
	Harman International Mexico S de RL de CV	Sale of audio products	100.0
	Harman Investment Group, LLC	Financing Company	100.0
	Harman KG Holding, LLC	Holding Company	100.0
	Harman Professional	Sale of audio products, R&D	100.0
	Red Bend Software	Software design	100.0
	S1NN USA	R&D	100.0
	Southern Vision Systems	Development of image sensing device	100.0
	TowerSec	R&D	100.0
	Triple Play Integration	Connected Service Provider	100.0

¹ Ownership represents the Group's ownership of voting rights in each entity.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

Area	Subsidiaries	Industry	Percentage of ownership ¹
	Samsung Electronics (UK) (SEUK)	Sale of electronic devices	100.0
	Samsung Electronics Holding (SEHG)	Holding Company	100.0
	Samsung Semiconductor Europe GmbH (SSEG)	Sale of semiconductor/LCD	100.0
	Samsung Electronics GmbH (SEG)	Sale of electronic devices	100.0
	Samsung Electronics Iberia (SESA)	Sale of electronic devices	100.0
	Samsung Electronics France (SEF)	Sale of electronic devices	100.0
	Samsung Electronics Hungarian (SEH)	Manufacture and sale of electronic devices	100.0
	Samsung Electronics Czech and Slovak (SECZ)	Sale of electronic devices	100.0
	Samsung Electronics Italia (SEI)	Sale of electronic devices	100.0
	Samsung Electronics Europe Logistics (SELS)	Logistics	100.0
	Samsung Electronics Benelux (SEBN)	Sale of electronic devices	100.0
	Samsung Display Slovakia (SDSK)	Toll processing of LCD	100.0
	Samsung Electronics Romania (SEROM)	Sale of electronic devices	100.0
	Samsung Electronics Overseas (SEO)	Sale of electronic devices	100.0
	Samsung Electronics Polska (SEPOL)	Sale of electronic devices	100.0
	Samsung Electronics Portuguesa (SEP)	Sale of electronic devices	100.0
	Samsung Electronics Nordic (SENA)	Sale of electronic devices	100.0
	Samsung Semiconductor Europe (SEEL)	Sale of semiconductor/LCD	100.0
	Samsung Electronics Austria (SEAG)	Sale of electronic devices	100.0
	Samsung Electronics Slovakia (SESK)	Manufacture of TV/monitors	100.0
	Samsung Electronics Europe Holding (SEEH)	Holding Company	100.0
Europe/CIS	Samsung Electronics Poland Manufacturing (SEPM)	Manufacture of home appliances	100.0
	Samsung Electronics Greece (SEGR)	Sale of electronic devices	100.0
	Samsung Nanoradio Design Center (SNDC)	R&D	100.0
	Samsung Electronics Rus Company (SERC)	Sale of electronic devices	100.0
	Samsung Electronics Ukraine (SEU)	Marketing	100.0
	Samsung Electronics Baltics (SEB)	Sale of electronic devices	100.0
	Samsung Electronics Ukraine Company (SEUC)	Sale of electronic devices	100.0
	Samsung R&D Institute Rus (SRR)	R&D	100.0
	Samsung Electronics Central Eurasia (SECE)	Sale of electronic devices	100.0
	Samsung Electronics Rus Kaluga (SERK)	Manufacture of TV	100.0
	Samsung Electronics (London) Limited (SEL)	Holding Company	100.0
	Samsung Denmark Research Center (SDRC)	R&D	100.0
	Samsung France Research Center (SFRC)	R&D	100.0
	Samsung Cambridge Solution Centre (SCSC)	R&D	100.0
	Samsung Electronics Switzerland GmbH (SESG)	Sale of electronic devices	100.0
	PrinterOn Europe	Sale of printing solutions	100.0
	Samsung Electronics Caucasus (SECC)	Marketing	100.0
	Joyent(UK)	Cloud services	100.0
	AMX LLC (Russia)	Sale of audio products, R&D	100.0
	Harman Connected Services OOO	Connected Service Provider	100.0
	Harman RUS CIS LLC	Sale of audio products	100.0
	Aditi Technologies Europe	Sale of audio products, etc	100.0
	AKG Acoustics	Manufacture and sale of audio products	100.0

¹ Ownership represents the Group's ownership of voting rights in each entity.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

Area	Subsidiaries	Industry	Percentage of ownership ¹
	AMX (Germany)	Sale of audio products	100.0
	AMX UK	Sale of audio products	100.0
	Duran Audio B.V.	Sale of audio products, R&D	100.0
	Duran Audio Iberia Espana	Sale of audio products	100.0
	Endeleo	Sale of audio products, R&D	100.0
	Harman Automotive UK	Manufacture of audio products	100.0
	Harman Becker Automotive Systems (Germany)	Manufacture and sale of audio products, R&D	100.0
	Harman Becker Automotive Systems Italy	Sale of audio products	100.0
	Harman Becker Automotive Systems Manufacturing Kft	Manufacture of audio products, R&D	100.0
	Harman Belgium	Sale of audio products	100.0
	Harman Connected Services AB.	Connected Service Provider	100.0
	Harman Connected Services Finland OY	Connected Service Provider	100.0
	Harman Connected Services (Germany)	Connected Service Provider	100.0
	Harman Connected Services	Connected Service Provider	100.0
	Harman Connected Services Poland Sp.zoo	Connected Service Provider	100.0
	Harman Connected Services UK	Connected Service Provider	100.0
	Harman Consumer Division Nordic A/S	Sale of audio products	100.0
	Harman Consumer Finland OY	Sale of audio products	100.0
	Harman Consumer Nederland B.V.	Sale of audio products	100.0
	Harman Deutschland	Sale of audio products	100.0
	Harman Finance International GP S.a.r.l	Holding Company	100.0
Europe/CIS	Harman Finance International SCA	Financing Company	100.0
	Harman France SNC	Sale of audio products	100.0
	Harman Holding & Co. KG	Management Company	100.0
	Harman Hungary Financing	Financing Company	100.0
	Harman Inc. & Co. KG	Holding Company	100.0
	Harman International Estonia OU	R&D	100.0
	Harman International Industries (UK)	Sale of audio products, etc	100.0
	Harman International Romania SRL	R&D	100.0
	Harman International s.r.o	Manufacture of audio products	100.0
	Harman International SNC	Sale of audio products	100.0
	Harman Management	Holding Company	100.0
	Harman Professional Kft	Manufacture of audio products, R&D	100.0
	Inspiration Matters	Sale of audio products, R&D	100.0
	Knight Image	Sale of audio products, R&D	100.0
	Martin Manufacturing (UK)	Manufacture of audio products	100.0
	Martin Professional ApS	Sale of audio products, R&D	100.0
	Martin Professional France	Sale of audio products	100.0
	Martin Professional GmbH	Sale of audio products	100.0
	Martin Professional	Sale of audio products	100.0
	R&D International	Manufacture of audio products	100.0
	Red Bend Software (UK)	Software design	100.0
	Red Bend Software SAS France	Software design	100.0
	Studer Professional Audio	Sale of audio products, R&D	100.0
	Surfkitchen	Connected Service Provider	100.0

¹ Ownership represents the Group's ownership of voting rights in each entity.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

Area	Subsidiaries	Industry	Percentage of ownership ¹
	Samsung Electronics West Africa (SEWA)	Marketing	100.0
	Samsung Electronics East Africa (SEEA)	Marketing	100.0
	Samsung Gulf Electronics (SGE)	Sale of electronic devices	100.0
	Samsung Electronics Egypt (SEEG)	Manufacture and sale of electronic devices	100.0
	Samsung Electronics Israel (SEIL)	Marketing	100.0
	Samsung Electronics Tunisia (SETN)	Marketing	100.0
	Samsung Electronics Pakistan (SEPAK)	Marketing	100.0
	Samsung Electronics South Africa (SSA)	Sale of electronic devices	100.0
	Samsung Electronics Turkey (SETK)	Sale of electronic devices	100.0
	Samsung Semiconductor Israel R&D Center (SIRC)	R&D	100.0
Middle East and Africa	Samsung Electronics Levant (SELV)	Sale of electronic devices	100.0
	Samsung Electronics Maghreb Arab (SEMAG)	Sale of electronic devices	100.0
	Samsung Electronics South Africa Production (SSAP)	Manufacture of TV/monitors	100.0
	Broadsense	Service	100.0
	Global Symphony Technology Group	Holding Company	100.0
	Harman Connected Services Morocco	Connected Service Provider	100.0
	Harman Industries Holdings Mauritius	Holding Company	100.0
	iOnRoad	R&D	100.0
	iOnRoad Technologies	R&D	100.0
	Red Bend	Manufacture of audio products	100.0
	TowerSec (Israel)	R&D	100.0

¹ Ownership represents the Group's ownership of voting rights in each entity.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

Area	Subsidiaries	Industry	Percentage of ownership ¹
	Samsung Japan (SJC)	Sale of electronic devices	100.0
	Samsung R&D Institute Japan (SRJ)	R&D	100.0
	Samsung Electronics Japan (SEJ)	Sale of electronic devices	100.0
	Samsung Electronics Display (M) (SDMA)	Manufacture of electronic devices	100.0
	Samsung Electronics (M) (SEMA)	Manufacture of home appliances	100.0
	Samsung Vina Electronics (SAVINA)	Sale of electronic devices	100.0
	Samsung Asia Private (SAPL)	Sale of electronic devices	100.0
	Samsung India Electronics (SIEL)	Manufacture and sale of electronic devices	100.0
	Samsung R&D Institute India-Bangalore (SRI-B)	R&D	100.0
	Samsung Electronics Australia (SEAU)	Sale of electronic devices	100.0
	Samsung Electronics Indonesia (SEIN)	Manufacture and sale of electronic devices	100.0
	Samsung Telecommunications Indonesia (STIN)	Sale and service of communication systems	100.0
	Thai Samsung Electronics (TSE)	Manufacture and sale of electronic devices	91.8
	Samsung Electronics Philippines (SEPCO)	Sale of electronic devices	100.0
	Samsung Malaysia Electronics (SME)	Sale of electronic devices	100.0
	Samsung R&D Institute Bangladesh (SRBD)	R&D	100.0
	Samsung Electronics Vietnam (SEV)	Manufacture of electronic devices	100.0
	Samsung Electronics Vietnam THAINGUYEN (SEVT)	Manufacture and sale of communication equipment	100.0
Asia (Except China)	Samsung Medison India (SMIN)	Medical equipment	100.0
	Samsung Electronics New Zealand (SENZ)	Sale of electronic devices	100.0
	Samsung Display Vietnam (SDV)	Manufacture of LCD	100.0
	Samsung Electronics HCMC CE Complex (SEHC)	Manufacture and sale of electronic devices	100.0
	Laos Samsung Electronics Sole(LSE)	Marketing	100.0
	AMX Products and Solutions Private	Sale of audio products	100.0
	Harman Connected Services India	Connected Service Provider	100.0
	Harman Connected Services Technologies	Connected Service Provider	100.0
	Harman International (India) Private	Sale of audio products, R&D	100.0
	Harman International Industries PTY	Holding Company	100.0
	Harman International Singapore	Sale of audio products	100.0
	Harman Malaysia Sdn. Bhd.	Sale of audio products	100.0
	Harman Professional Singapore Pte.	Sale of audio products	100.0
	I.P.S.G. International Product Solution Group PTY.	Sale of audio products, R&D	100.0
	INSP India Software Development Pvt.	Software development and supply	100.0
	Martin Professional Pte.	Sale of audio products	100.0
	VFX Systems PTY	Connected Service Provider	100.0
	Harman Connected Services Japan	Connected Service Provider	100.0
	Harman International Japan	Sale of audio products, R&D	100.0
	Red Bend Software KK	Software design	100.0
	Studer Japan	Holding Company	100.0

¹ Ownership represents the Group's ownership of voting rights in each entity.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

Area	Subsidiaries	Industry	Percentage of ownership ¹
	Samsung Display Dongguan (SDD)	Manufacture of LCD	100.0
	Samsung Display Tianjin (SDT)	Manufacture of LCD	95.0
	Samsung Electronics Hong Kong (SEHK)	Sale of electronic devices	100.0
	Suzhou Samsung Electronics (SSEC)	Manufacture of home appliances	88.3
	Samsung Suzhou Electronics Export (SSEC-E)	Manufacture of home appliances	100.0
	Samsung (China) Investment (SCIC)	Sale of electronic devices	100.0
	Samsung Mobile R&D Center China-Guangzhou (SRC-Guangzhou)	R&D	100.0
	Samsung Tianjin Mobile Development Center (STMC)	R&D	100.0
	Samsung R&D Institute China-Shenzhen(SRC-Shenzhen)	R&D	100.0
	Samsung Electronics Suzhou Semiconductor (SESS)	Toll processing of semiconductor	100.0
	Samsung Electronics (Shandong) Digital Printing (SSDP)	Manufacture of printers	100.0
	Samsung Electronics Huizhou (SEHZ)	Manufacture of electronic devices	99.9
	Tianjin Samsung Electronics (TSEC)	Manufacture of TV/monitors	91.2
	Samsung Electronics Taiwan (SET)	Sale of electronic devices	100.0
	Beijing Samsung Telecom R&D Center (BST)	R&D	100.0
	Tianjin Samsung Telecom Technology (TSTC)	Manufacture of communication equipment	90.0
	Shanghai Samsung Semiconductor (SSS)	Sale of semiconductor/LCD	100.0
	Samsung Electronics Suzhou Computer (SESC)	Manufacture of electronic devices	100.0
	Samsung Suzhou Module (SSM)	Toll processing of LCD	100.0
China	Samsung Suzhou LCD (SSL)	Manufacture of LCD	60.0
	Shenzhen Samsung Electronics Telecommunication (SSET)	Manufacture of communication equipment	95.0
	Samsung Semiconductor (China) R&D (SSCR)	R&D	100.0
	Samsung Electronics China R&D Center (SCRC)	R&D	100.0
	Samsung (China) Semiconductor (SCS)	Manufacture of semiconductor	100.0
	Samsung Electronics (Beijing) Service (SBSC)	Services	100.0
	Tianjin Samsung LED (TSLED)	Manufacture of LED	100.0
	Tianjin Samsung Opto-Electronics (TSOE)	Manufacture of cameras/camcorders	90.0
	SEMES (Xian)	Semiconductor equipment	100.0
	Samsung Semiconductor Xian (SSCX)	Sale of semiconductor/LCD	100.0
	Harman (China) Technologies	Manufacture of audio products	100.0
	Harman (Suzhou) Audio and Infotainment Systems	Sale of audio products	100.0
	Harman Automotive Electronic Systems (Suzhou)	Manufacture of audio products, R&D	100.0
	Harman Commercial (Shanghai)	Sale of audio products	100.0
	Harman Connected Services Taiwan	Connected Service Provider	100.0
	Harman Holding	Sale of audio products	100.0
	Harman International (China) Holdings	Sale of audio products, R&D	100.0
	Harman Neusoft Automotive Infotech (Dalian) Co.	Software development and supply	100.0
	Harman Technology (Shenzhen)	Sale of audio products, R&D	100.0
	Martin Trading Zhuhai	Sale of audio products	100.0
	Harman Connected Services (Beijing) Solutions	Connected Service Provider	100.0
	Harman Connected Services (Chengdu) Solutions	Connected Service Provider	100.0

¹ Ownership represents the Group's ownership of voting rights in each entity.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(B) A summary of financial data of major consolidated subsidiaries is as follows:

(1) 2017

<i>(In millions of Korean won)</i>	As at March 31, 2017		For the three months ended March 31, 2017	
	Assets	Liabilities	Sales	Net Income (Loss)
Samsung Display(SDC)	₩ 44,392,279	₩ 8,474,746	₩ 6,460,786	₩ 1,017,770
Samsung Electronics America(SEA)	24,181,286	7,240,564	5,723,896	(37,686)
Harman and its subsidiaries ¹	14,636,501	5,647,072	537,749	24,449
Samsung (China) Investment(SCIC)	12,719,480	10,777,387	1,447,726	108,959
Samsung (China) Semiconductor(SCS)	9,470,619	4,348,546	1,047,754	132,588
Samsung Electronics Vietnam(SEV)	9,458,820	1,794,387	3,575,874	404,542
Samsung Electronics Vietnam THAINGUYEN(SEVT)	8,463,724	2,649,464	6,256,246	787,312
Samsung Electronics Europe Holding(SEEH)	8,053,704	6,094,029	-	2,751
Samsung Semiconductor(SSI)	7,396,154	3,631,877	5,581,671	17,140
Samsung Electronics Huizhou(SEHZ)	6,553,108	1,654,825	2,708,828	157,094
Samsung Electronica da Amazonia(SEDA)	5,411,185	1,553,521	1,670,768	346,423
Samsung Asia Private(SAPL)	5,252,082	671,802	456,897	12,910
Samsung India Electronics(SIEL)	5,148,405	2,712,451	2,837,810	204,023
Samsung Austin Semiconductor(SAS)	4,923,216	1,526,767	813,142	28,976
Samsung Display Vietnam(SDV)	4,824,210	5,022,473	2,223,711	52,516
Shanghai Samsung Semiconductor(SSS)	4,567,545	3,874,627	6,028,223	53,685
Samsung Suzhou LCD(SSL)	2,354,669	1,273,423	445,153	29,940
Samsung Electronics Europe Logistics(SELS)	2,320,818	2,039,475	3,321,753	185,513
Thai Samsung Electronics(TSE)	2,157,464	481,614	1,133,328	25,119
Samsung Electronics Slovakia(SESK)	2,078,000	528,146	877,155	33,015
Samsung Electronics HCMC CE Complex(SEHC)	1,833,499	1,573,895	776,762	37,895
Samsung Electronics GmbH(SEG)	1,553,141	1,583,362	1,517,785	(34,967)
Samsung Electronics Taiwan(SET)	1,490,261	1,180,815	982,928	(2,133)
Samsung Electronics Hungarian(SEH)	1,430,123	362,132	662,266	18,320
Samsung Display Dongguan(SDD)	1,411,999	370,749	1,136,696	44,541

¹ Consolidated financial data of an intermediate company that includes Harman International Industries, Inc. and its subsidiaries.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(2) 2016

<i>(In millions of Korean won)</i>	As at December 31, 2016		For the three months ended March 31, 2016	
	Assets	Liabilities	Sales	Net Income (Loss)
Samsung Display(SDC)	43,305,405	8,361,256	5,613,160	(152,716)
Samsung Electronics America(SEA)	21,810,492	9,496,649	8,571,121	(163,544)
Samsung (China) Investment(SCIC)	13,632,938	11,672,755	2,779,108	103,932
Samsung (China) Semiconductor(SCS)	9,749,448	4,564,793	1,049,411	274,901
Samsung Electronics Vietnam(SEV)	9,134,023	1,258,948	5,180,336	614,503
Samsung Electronics Europe Holding(SEEH)	8,643,308	6,661,092	-	5,738
Samsung Semiconductor(SSC)	7,804,698	3,746,687	4,172,171	8,567
Samsung Electronics Vietnam THAINGUYEN(SEVT)	7,646,828	2,179,023	5,482,822	639,875
Samsung Electronics Huizhou(SEHZ)	6,174,579	1,106,633	3,828,768	241,655
Shanghai Samsung Semiconductor(SSS)	5,862,409	5,166,385	4,291,782	39,658
Samsung Asia Private(SAPL)	5,528,472	592,320	357,361	376
Samsung Electronica da Amazonia(SEDA)	5,200,799	1,510,972	1,371,980	160,080
Samsung Austin Semiconductor(SAS)	4,940,748	1,293,458	1,120,321	29,451
Samsung India Electronics(SIEL)	4,563,407	2,256,194	2,326,743	247,626
Samsung Display Vietnam(SDV)	3,165,239	3,437,791	957,429	11,022
Samsung Electronics Europe Logistics(SELS)	2,887,230	2,779,296	3,337,716	282,328
Samsung Suzhou LCD(SSL)	2,499,917	1,376,439	216,720	(50,658)
Thai Samsung Electronics(TSE)	2,079,865	364,518	1,111,558	60,145
Samsung Electronics Slovakia(SESK)	2,053,467	440,402	821,862	32,231
Samsung Electronics Taiwan(SET)	1,857,017	1,540,478	866,486	11,862
Samsung Electronics HCMC CE Complex(SEHC)	1,814,566	1,572,982	114,169	(164)
Samsung Electronics Hungarian(SEH)	1,743,979	633,975	634,032	39,297
Samsung Electronics GmbH(SEG)	1,621,827	1,618,305	1,664,018	26,071
Samsung Display Dongguan(SDD)	1,584,504	518,511	1,277,819	24,881
Samsung Electronics (UK)(SEUK)	1,526,879	1,103,579	1,218,934	41,091

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(C) Changes in scope of consolidation

(1) Subsidiaries excluded from the consolidation for the three months ended March 31, 2017:

Area	Subsidiary	Description
America	Samsung Receivables(SRC)	Liquidation
Europe/CIS	Samsung Electronics Rus(SER)	Merger ¹

¹ Samsung R&D Institute Rus(SRR), a subsidiary of the Group, merged with Samsung Electronics Rus(SER) on February 1, 2017.

(2) Subsidiaries newly included in the consolidation for the three months ended March 31, 2017:

Area	Subsidiary	Description
Domestic	Growth type private equity trust specialized in semiconductors	Incorporation
	Harman International Korea	Acquisition of shares
	Red Bend Software Korea	Acquisition of shares
America	Kngine	Acquisition of shares
	AMX Holding Corporation	Acquisition of shares
	AMX LLC	Acquisition of shares
	Harman Becker Automotive Systems	Acquisition of shares
	Harman Connected Services Engineering	Acquisition of shares
	Harman Connected Services Holding	Acquisition of shares
	Harman Connected Services	Acquisition of shares
	Harman Connected Services South America	Acquisition of shares
	Harman da Amazonia Industria Electronica e Participacoes	Acquisition of shares
	Harman de Mexico S. de R.L.	Acquisition of shares
	Harman do Brasil Industria Electronica e Participacoes.	Acquisition of shares
	Harman Financial Group	Acquisition of shares
	Harman International Industries Canada	Acquisition of shares
	Harman International Industries, Inc.	Acquisition of shares
	Harman International Mexico S de RL de CV	Acquisition of shares
	Harman Investment Group, LLC	Acquisition of shares
	Harman KG Holding, LLC	Acquisition of shares
	Harman Professional	Acquisition of shares
	Red Bend Software	Acquisition of shares
	S1NN USA	Acquisition of shares
Southern Vision Systems	Acquisition of shares	
TowerSec	Acquisition of shares	
Triple Play Integration	Acquisition of shares	

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

Area	Subsidiary	Description
	AMX LLC (Russia)	Acquisition of shares
	Harman Connected Services OOO	Acquisition of shares
	Harman RUS CIS LLC	Acquisition of shares
	Aditi Technologies Europe	Acquisition of shares
	AKG Acoustics	Acquisition of shares
	AMX (Germany)	Acquisition of shares
	AMX UK	Acquisition of shares
	Duran Audio B.V.	Acquisition of shares
	Duran Audio Iberia Espana	Acquisition of shares
	Endeleo	Acquisition of shares
	Harman Automotive UK	Acquisition of shares
	Harman Becker Automotive Systems (Germany)	Acquisition of shares
	Harman Becker Automotive Systems Italy	Acquisition of shares
	Harman Becker Automotive Systems Manufacturing Kft	Acquisition of shares
	Harman Belgium	Acquisition of shares
	Harman Connected Services AB.	Acquisition of shares
	Harman Connected Services Finland OY	Acquisition of shares
	Harman Connected Services (Germany)	Acquisition of shares
	Harman Connected Services	Acquisition of shares
	Harman Connected Services Poland Sp.zoo	Acquisition of shares
	Harman Connected Services UK	Acquisition of shares
Europe/CIS	Harman Consumer Division Nordic A/S	Acquisition of shares
	Harman Consumer Finland OY	Acquisition of shares
	Harman Consumer Nederland B.V.	Acquisition of shares
	Harman Deutschland	Acquisition of shares
	Harman Finance International GP S.a.r.l	Acquisition of shares
	Harman Finance International SCA	Acquisition of shares
	Harman France SNC	Acquisition of shares
	Harman Holding & Co. KG	Acquisition of shares
	Harman Hungary Financing	Acquisition of shares
	Harman Inc. & Co. KG	Acquisition of shares
	Harman International Estonia OU	Acquisition of shares
	Harman International Industries (UK)	Acquisition of shares
	Harman International Romania SRL	Acquisition of shares
	Harman International s.r.o	Acquisition of shares
	Harman International SNC	Acquisition of shares
	Harman Management	Acquisition of shares
	Harman Professional Kft	Acquisition of shares
	Inspiration Matters	Acquisition of shares
	Knight Image	Acquisition of shares
	Martin Manufacturing (UK)	Acquisition of shares
	Martin Professional ApS	Acquisition of shares
	Martin Professional France	Acquisition of shares

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

Area	Subsidiary	Description
Europe/CIS	Martin Professional GmbH	Acquisition of shares
	Martin Professional	Acquisition of shares
	R&D International	Acquisition of shares
	Red Bend Software (UK)	Acquisition of shares
	Red Bend Software SAS France	Acquisition of shares
	Studer Professional Audio	Acquisition of shares
	Surfkitchen	Acquisition of shares
Middle East and Africa	Broadsense	Acquisition of shares
	Global Symphony Technology Group	Acquisition of shares
	Harman Connected Services Morocco	Acquisition of shares
	Harman Industries Holdings Mauritius	Acquisition of shares
	iOnRoad	Acquisition of shares
	iOnRoad Technologies	Acquisition of shares
	Red Bend	Acquisition of shares
TowerSec (Israel)	Acquisition of shares	
Asia (Except China)	AMX Products and Solutions Private	Acquisition of shares
	Harman Connected Services India	Acquisition of shares
	Harman Connected Services Technologies	Acquisition of shares
	Harman International (India) Private	Acquisition of shares
	Harman International Industries PTY	Acquisition of shares
	Harman International Singapore	Acquisition of shares
	Harman Malaysia Sdn. Bhd.	Acquisition of shares
	Harman Professional Singapore Pte.	Acquisition of shares
	I.P.S.G. International Product Solution Group PTY.	Acquisition of shares
	INSP India Software Development Pvt.	Acquisition of shares
	Martin Professional Pte.	Acquisition of shares
	VFX Systems PTY	Acquisition of shares
	Harman Connected Services Japan	Acquisition of shares
	Harman International Japan	Acquisition of shares
Red Bend Software KK	Acquisition of shares	
Studer Japan	Acquisition of shares	
China	Harman (China) Technologies	Acquisition of shares
	Harman (Suzhou) Audio and Infotainment Systems	Acquisition of shares
	Harman Automotive Electronic Systems (Suzhou)	Acquisition of shares
	Harman Commercial (Shanghai)	Acquisition of shares
	Harman Connected Services Taiwan	Acquisition of shares
	Harman Holding	Acquisition of shares
	Harman International (China) Holdings	Acquisition of shares
	Harman Neusoft Automotive Infotech (Dalian) Co.	Acquisition of shares
	Harman Technology (Shenzhen)	Acquisition of shares
	Martin Trading Zhuhai	Acquisition of shares
	Harman Connected Services (Beijing) Solutions	Acquisition of shares
	Harman Connected Services (Chengdu) Solutions	Acquisition of shares

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

2. Summary of Significant Accounting Policies

2.1 Basis of Presentation

The interim consolidated financial statements for the three months ended March 31, 2017, have been prepared in accordance with Korean IFRS 1034, *Interim Financial Reporting*. These interim consolidated financial statements have been prepared in accordance with the K-IFRS standards and interpretations effective at the reporting date.

(A) New and amended standards adopted by the Group

The Group applied the following amended and enacted standards for the annual period beginning on January 1, 2017:

Amendment to Korean IFRS 1007, Statement of Cash Flows

Amendments to *Korean IFRS 1007 Statement of Cash flows* requires disclosures that enable users of financial statements to evaluate changes in liabilities arising from financing activities, including both changes arising from cash flows and non-cash changes. There is no material impact of the application of this amendment on the consolidated financial statements.

(B) New and amended standards not adopted by the Group

New standards, amendments and interpretations issued but not effective for the financial year beginning January 1, 2017, and not early adopted by the Group, are as follows:

Korean IFRS 1109, Financial Instruments

The new standard for financial instruments issued on September 25, 2015 is effective for annual periods beginning on or after January 1, 2018 with early application permitted. This standard will replace *Korean IFRS 1039 Financial Instruments: Recognition and Measurement*. The Group will apply the standards for annual periods beginning on or after January 1, 2018.

The standard requires retrospective application with some exceptions. For example, the entity is not required to restate prior periods in relation to classification, measurement and impairment of financial instruments. The standard requires prospective application of its hedge accounting requirements for all hedging relationships except the accounting for time value of options and other exceptions.

Korean IFRS 1109 Financial Instruments requires all financial assets to be classified and measured on the basis of the entity's business model for managing financial assets and the contractual cash flow characteristics of the financial assets. A new impairment model, an expected credit loss model, is introduced and any subsequent changes in expected credit losses will be recognized in profit or loss. Also, hedge accounting rules amended to extend the hedging relationship, which consists only of eligible hedging instruments and hedged items, qualifies for hedge accounting.

An effective implementation of *Korean IFRS 1109* requires preparation processes including financial impact assessment, accounting policy establishment, accounting system development and system stabilization. The impact on the Group's financial statements due to the application of the standard is dependent on judgements made in applying the standard, financial instruments held by the Group and macroeconomic variables.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

The Group has performed a preliminary assessment of the financial impacts of the implementation of *Korean IFRS 1109* to the 2017 financial statements based on current situation and available information as at March 31, 2017. The expected impact of application of the standard on the Group's financial statements are set out below. The Group will conduct further analysis of detailed financial impacts based on additional information in the future, and the result of the preliminary assessment may change depending on additional information available to the Group.

(a) Classification and Measurement of Financial Assets

When implementing *Korean IFRS 1109*, the classification of financial assets will be driven by the Group's business model for managing the financial assets and contractual terms of cash flow. The following table shows the classification of financial assets measured subsequently at amortized cost, at fair value through other comprehensive income reserve and at fair value through profit or loss. For hybrid (combined) instruments, if the Group is unable to measure an embedded derivative separately from its host contract, financial assets with embedded derivatives are classified in their entirety.

Business model for the contractual cash flows characteristics	Solely represent payments of principal and interest	All other
Hold the financial asset for the collection of the contractual cash flows	Measured at amortized cost ¹	
Hold the financial asset for the collection of the contractual cash flows and trading	Recognized at fair value through other comprehensive income reserve ¹	Recognized at fair value through profit or loss ²
Hold for trading	Recognized at fair value through profit or loss	

¹ A designation at fair value through profit or loss is allowed only if such designation mitigates an accounting mismatch (irrevocable).

² A designation at fair value through other comprehensive income is allowed only if the financial instrument is the equity investment that are not held for trading (irrevocable).

With the implementation of *Korean IFRS 1109*, the criteria to classify the financial assets at amortized cost or at fair value through other comprehensive income are more strictly applied than the criteria applied under *Korean IFRS 1039*. Accordingly, the financial assets at fair value through profit or loss may increase by implementing *Korean IFRS 1109* and may result in an increased fluctuation in profit or loss.

As at March 31, 2017, the Group owns loan and trade receivables amounting to ₩96,633,992 million, financial assets available-for-sales amounting to ₩11,031,094 million.

According to *Korean IFRS 1109*, debt investments are measured at amortized cost if: a) the objective of the business model is to hold the financial asset for the collection of the contractual cash flows, and b) the contractual terms of cash flows solely represent payments of principal and interest. As at March 31, 2017, the Group measured loan and trade receivables amounting to ₩96,633,992 million held at amortized costs.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

According to the result of preliminary impact assessment, when applying *Korean IFRS 1109* to the financial assets as at March 31, 2017, under the terms and conditions of the contracts, most financial assets consist of cash flows solely representing payments of principal and interest on a due date. Where the Group holds the financial assets for the collection of the contractual cash flows, the financial assets are classified as accounts subsequently measured at amortized cost. In conclusion, it is expected that the financial impact on the financial statements will be immaterial.

Korean IFRS 1109 measures debt investments at fair value through other comprehensive income of which terms of cash flows solely represent payment of the principal and interest on a due date, where the purpose of holding debt investment is to collect contractual cash flows and trade. As at March 31, 2017, the Group has debt investments classified as available-for-sale financial assets amounting to ₩4,138,383 million.

According to the result of preliminary impact assessment, when applying *Korean IFRS 1109* to the debt investments classified as available-for-sale as at March 31, 2017, most of the investments will be classified as financial instruments measured at fair value through other comprehensive income.

According to *Korean IFRS 1109*, equity investments not being held for trading may be given an irrevocable election to be classified as financial instruments measured at fair value through other comprehensive income at initial recognition and the cumulative gain or loss previously recognized in other comprehensive income is not subsequently recycled from equity to profit or loss as a reclassification adjustment. As at March 31, 2017, the Group's equity investments classified as available-for-sale financial assets amount to ₩6,892,711 million and the cumulative unrealized profit or loss on available-for-sale equity investments amounting to ₩1,520 million was recycled from equity to profit or loss as a reclassification adjustment for the three months ended March 31, 2017.

According to the preliminary impact assessment, the Group will designate long-term investment equity investments, which account for most of the available-for-sale equity instruments, as financial instruments measured at fair value through other comprehensive income. Therefore, the financial impact to the financial statements is expected to be immaterial. As at March 31, 2017, the remaining cumulative profit or loss which is comprehensive income not subject to be subsequently recycled from equity to profit or loss is ₩1,561,924 million.

According to *Korean IFRS 1109*, debt investments of which the contractual term of cash flows are not solely representing payments of principal and interest or which are held for trading are classified as at fair value through profit or loss. Also equity investments not designated at fair value through comprehensive income are measured at fair value through profit or loss. As at March 31, 2017, the Group has no debt or equity investments classified as financial instruments at fair value through profit or loss.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(b) Classification and Measurement of Financial Liabilities

Korean IFRS 1109 requires the change in the liability's fair value attributable to changes in the credit risk to be recognized in other comprehensive income, unless this treatment of the credit risk component creates or enlarges a measurement mismatch. Amounts presented in other comprehensive income are not subsequently transferred to profit or loss.

Under *Korean IFRS 1039*, all financial liabilities designated at fair value through profit or loss recognized their fair value movements in profit or loss. However, under *Korean IFRS 1109*, certain fair value movements will be recognized in other comprehensive income thus profit or loss from fair value movements may decrease.

As at March 31, 2017, total financial liabilities account for ₩48,324,683 million of which ₩376,319 million are designated to be measured at fair value through profit or loss.

According to the result of the preliminary impact assessment, financial liabilities measured at fair value through profit and loss for the current terms as at March 31, 2017 have mostly short maturities and the credit risk fluctuation of financial liabilities is insignificant. Therefore, it is expected that the impact of adopting *Korean IFRS 1109* will not be significant.

(c) Impairment: Financial Assets and Contract Assets

Korean IFRS 1109 sets out a new forward looking 'expected loss' impairment model which replaces the incurred loss model in *Korean IFRS 1039* if there is objective evidence and applies to:

- Financial assets measured at amortized cost
- Debt investments measured at fair value through other comprehensive income, and
- Certain loan commitments and financial guaranteed contracts.

Under *Korean IFRS 1109*, a credit event (or impairment 'trigger') no longer has to occur before credit losses are recognized. The Group will always recognize (at a minimum) 12-month expected credit losses in profit or loss. Lifetime expected losses will be recognized on assets for which there is a significant increase in credit risk after initial recognition.

Stage ¹	Loss allowance
1 No significant increase in credit risk after initial recognition ²	12-month expected credit losses (expected credit losses that result from those default events on the financial instruments that are possible within 12 months after the reporting date)
2 Significant increase in credit risk after initial recognition	Lifetime expected credit losses (expected credit losses that result from all possible default events over the life of the financial instruments)
3 Objective evidence of credit-impaired	

¹ The Group shall measure the loss allowance at an amount equal to Lifetime expected credit losses for contract assets or trade receivables under the standard, *Korean IFRS 1115 Revenue from Contracts with Customers*, which do not contain a significant financing component. However, the Group elects to measure the loss allowance at an amount equal to Lifetime expected credit losses for all contract assets or all trade receivables which contain a significant financing component in accordance with *Korean IFRS 1115*. The Group also elects to measure the loss allowance at an amount equal to Lifetime expected credit losses for lease receivables.

² If the financial instrument has low credit risk at the reporting date, the Group may assume that the credit risk has not increased significantly since initial recognition.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

Under Korean *IFRS 1109*, the asset that is credit-impaired at initial recognition would recognize all changes in lifetime expected credit losses since the initial recognition as a loss allowance with any changes recognized in profit or loss.

The Group owns loan and trade receivables amounting to ₩97,132,662 million and debt investments classified as available-for-sale financial assets measured at fair value through other comprehensive income amounting to ₩4,138,383 million. The relative loss allowance is ₩498,670 million as at March 31, 2017.

(d) Hedge Accounting

Hedge accounting mechanics (fair value hedges, cash flow hedges and hedge of net investments in a foreign operations) required by *Korean IFRS 1039* remains unchanged in *Korean IFRS 1109*, however, the new hedge accounting rules will align the accounting for hedging instruments more closely with the Group's risk management practices. As a general rule, more hedge relationships might be eligible for hedge accounting, as the standard introduces a more principles-based approach. *Korean IFRS 1109* allows more hedging instruments and hedged items to qualify for hedge accounting, and relaxes the hedge accounting requirement by removing two hedge effectiveness tests that are a prospective test to ensure that the hedging relationship is expected to be highly effective and a quantitative retrospective test (within range of 80~125%) to ensure that the hedging relationship has been highly effective throughout the reporting period.

With implementation of *Korean IFRS 1109*, volatility in profit or loss may be reduced as some items that were not eligible as hedged items or hedging instruments under *Korean IFRS 1039* are now eligible under *Korean IFRS 1109*.

When the Group first applies *Korean IFRS 1109*, it may choose its accounting policy to continue to apply all of the hedge accounting requirements of *Korean IFRS 1039* instead of the requirements of *Korean IFRS 1109*.

The Group has performed preliminary assessment based on the assumption to apply hedge accounting in *Korean IFRS 1109*, although the Group has not decided whether to choose *Korean IFRS 1109* or *Korean IFRS 1039* when first adopting *Korean IFRS 1109*. The Group applies hedge accounting for risk of changes in cash flows from various transactions including inventory purchase. As most of the hedge transactions meet retrospective qualification of high effectiveness (80~125%) for hedge accounting in *Korean IFRS 1039*, there would be no material impact adopting *Korean IFRS 1109*.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

Korean IFRS 1115, Revenue from Contracts with Customers

Korean IFRS 1115, Revenue from Contracts with Customers issued on November 6, 2015 is effective for annual periods beginning on or after January 1, 2018 with early application permitted. This standard replaces *Korean IFRS 1018 Revenue*, *Korean IFRS 1011 Construction Contracts*, *Interpretation 2031 Revenue-Barter Transactions Involving Advertising Services*, *Interpretation 2113 Customer Loyalty Programs*, *Interpretation 2115 Agreements for the Construction of Real Estate* and *Interpretation 2118 Transfers of assets from customers*.

The Group will apply *Korean IFRS 1115 Revenue from Contracts with Customers* for annual reporting periods beginning on or after January 1, 2018. Accumulated effects for first adoption of *Korean IFRS 1115* would be reflected in beginning retained earnings or other equity components, if applicable. Based on the transition rule in *Korean IFRS 1115*, the Group will apply the standard retrospectively to prior periods only for the ongoing contracts at the first adoption date, with no restatement for completed contracts.

The new standard is based on the principle that revenue is recognized when control of goods or services transfers to a customer – so the notion of control replaces the existing notion of risks and rewards. A new five-step process must be applied before revenue from contract with customer can be recognized:

- Identify contracts with customers
- Identify the separate performance obligation
- Determine the transaction price of the contract
- Allocate the transaction price to each of the separate performance obligations, and
- Recognize the revenue as each performance obligation is satisfied.

In course of preparation for applying *Korean IFRS 1115*, the Group has organized specific task force team which consists of finance and IT personnel, if necessary, as at March 31, 2017. The Group will analyze financial impact of *Korean IFRS 1115* in material way and disclose the results in the notes to the financial statements in 2017.

Based on the information available at the end of the reporting period, the Group is in the process of preliminary assessment of the potential impact on the financial statements for the year 2017 when applying *Korean IFRS 1115*, and the interim results are set out below. The Group will analyze more specific financial impacts based on additional information in the future.

(a) Identification of performance obligations

The Group's IM (information technology & mobile communications) business consists of mobile phone, communication systems and computers. The Group manufactures and installs network communication systems, and provides them to customers. In 2016, the related revenue from such activities did not account for a large portion of total revenue. When applying *Korean IFRS 1115*, performance obligation, such as network system production with customers, distinguished as technical support in the integrated contract such as (1) product sales, (2) installation service, and (3) maintenance, were identified. The timing of revenue recognition may change depending on whether each performance obligation is fulfilled at one time or over a period of time.

The Group could not identify specific financial impact of separating performance obligation. However, based on the result of preliminary assessment for the three months ended March 31, 2017, the impact on the Group's revenue will not be material.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(b) Variable consideration

As the Group allows returns when selling products and merchandise, variability in consideration may occur. When apply *Korean IFRS 1115*, the Group estimates the variable consideration using an expectation-value method that is expected to better anticipate the consideration to which the Group is entitled, and recognizes revenue by including variable consideration in the transaction price only to the amount that it is highly unlikely to reverse a significant portion of the cumulative revenue amount that has already been recognized, at the end of the return period. Amounts not expected to be consideration received or receivable are recognized as a refund liability.

The Group could not identify specific financial impact of variable consideration. However, based on the result of preliminary assessment for the three months ended March 31, 2017, the impact on the Group's revenue will not be material.

(c) Allocation of transaction price

When applying *Korean IFRS 1115*, the Group allocates transaction prices based on the relative individual selling prices to the various performance obligations identified in a single contract. The Group will use the 'Market Valuation Adjustment Approach' to estimate the individual selling prices of each performance obligation and will use the 'Estimated Cost Plus Margin Approach', which predicts the expected costs and adds the appropriate profits to the transactions.

The Group could not identify specific financial impact of allocating transaction prices based on relative individual selling prices. However, based on the result of preliminary assessment for the three months ended March 31, 2017, the impact on the Group's revenue will not be material.

2.2 Accounting Policies

Significant accounting policies and estimates adopted in the preparation of the interim consolidated financial statements are consistent with those adopted in the preparation of the annual consolidated financial statements for the year ended December 31, 2016, except changes in accounting policies applied in the financial year beginning on January 1, 2017 (Note 2.1) and as described below.

Income tax expense for the interim period is recognized based on management's best estimate of the weighted average annual effective income tax rate expected for the full financial year. The estimated average annual tax rate is applied to the pre-tax income.

2.3 Convenience Translation into United States Dollar Amounts

The Group operates primarily in Korean won and its official accounting records are maintained in Korean won. The US dollar amounts provided in the financial statements represent supplementary information solely for the convenience of the reader. All Korean won amounts are expressed in US dollars at the rate of ₩1154.65 to US \$1, the average exchange rate for the three month period ended in March 31, 2017. Such presentation is not in accordance with generally accepted accounting principles, and should not be construed as a representation that the Korean won amounts shown could be readily converted, realized or settled in U.S. dollars at this or at any other rate.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

2.4 Critical Accounting Estimates and Assumptions

In preparing the interim consolidated financial statements, the management of the Group makes estimates and assumptions on matters which affect the application of policies and reported amounts of assets, liabilities, income and expenses. Estimates and assumptions are continually evaluated and are based on historical experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances. The resulting accounting estimates, by definition, seldom equal the related actual results.

Critical accounting estimates and assumptions made in the preparation of the interim consolidated financial statements are consistent with those made in the preparation of the annual consolidated financial statements for the year ended December 31, 2016, except for the estimation methodologies applied in deriving corporate income tax.

3. Financial Instruments by Category

Categorizations of financial assets and liabilities as at March 31, 2017 and December 31, 2016, are as follows:

(1) As at March 31, 2017

<i>(In millions of Korean won)</i>	Assets at fair value through profit and loss		Loans and receivables		Available-for-sale financial assets		Other financial assets ¹		Total
Assets									
Cash and cash equivalents	₩	-	₩	27,562,938	₩	-	₩	-	₩ 27,562,938
Short-term financial instruments		-		41,775,404		-		-	41,775,404
Short-term available-for-sale financial assets		-		-		4,063,945		-	4,063,945
Trade receivables		-		22,340,688		-		-	22,340,688
Long-term available-for-sale financial assets		-		-		6,967,149		-	6,967,149
Others		57,580		4,954,962		-		139,915	5,152,457
Total	₩	57,580	₩	96,633,992	₩	11,031,094	₩	139,915	₩ 107,862,581

¹ Other financial assets include derivatives designated as hedging instruments, which are not subject to categorizations.

<i>(In millions of Korean won)</i>	Liabilities at fair value through profit and loss		Financial liabilities measured at amortized cost		Other financial liabilities ¹		Total
Liabilities							
Trade payables	₩	-	₩	9,569,549	₩	-	₩ 9,569,549
Short-term borrowings		-		1,612,180		7,906,830	9,519,010
Other payables		-		14,605,683		-	14,605,683
Current portion of long-term liabilities		-		1,139,042		-	1,139,042
Debentures		-		950,273		-	950,273
Long-term borrowings		-		1,640,979		-	1,640,979
Long-term other payables		319,858		1,955,415		-	2,275,273
Others		56,461		8,564,643		3,770	8,624,874
Total	₩	376,319	₩	40,037,764	₩	7,910,600	₩ 48,324,683

¹ Other financial liabilities include collateralized borrowings and derivatives designated as hedging instruments, which are not subject to categorizations.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(2) As at December 31, 2016

<i>(In millions of Korean won)</i>	Assets at fair value through profit or loss		Loans and receivables		Available-for-sale financial assets		Total
Assets							
Cash and cash equivalents	₩	-	₩	32,111,442	₩	-	₩ 32,111,442
Short-term financial instruments		-		52,432,411		-	52,432,411
Short-term available-for- sale financial assets		-		-		3,638,460	3,638,460
Trade receivables		-		24,279,211		-	24,279,211
Long-term available-for- sale financial assets		-		-		6,804,276	6,804,276
Others		63,208		3,396,655		-	3,459,863
Total	₩	63,208	₩	112,219,719	₩	10,442,736	₩ 122,725,663

<i>(In millions of Korean won)</i>	Liabilities at fair value through profit and loss		Financial liabilities measured at amortized cost		Other financial liabilities¹		Total
Liabilities							
Trade payables	₩	-	₩	6,485,039	₩	-	₩ 6,485,039
Short-term borrowings		-		1,817,021		10,929,768	12,746,789
Other payables		-		10,225,271		-	10,225,271
Current portion of long-term liabilities		-		1,232,817		-	1,232,817
Debentures		-		58,542		-	58,542
Long-term borrowings		-		1,244,238		-	1,244,238
Long-term other payables		342,702		2,666,957		-	3,009,659
Others		74,697		11,867,772		-	11,942,469
Total	₩	417,399	₩	35,597,657	₩	10,929,768	₩ 46,944,824

¹ Other financial liabilities include collateralized borrowings, which are not subject to categorizations.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

4. Long-Term Available-for-Sale Financial Assets

(A) Details of long-term available-for-sale financial assets as at March 31, 2017 and December 31, 2016, are as follows:

<i>(In millions of Korean won)</i>	March 31, 2017	December 31, 2016
Equity securities - Listed	₩ 2,500,622	₩ 2,362,235
Equity securities - Non-listed	4,384,894	4,337,328
Debt securities ¹	81,633	104,713
Total	₩ 6,967,149	₩ 6,804,276

¹ The maximum exposure to credit risk of available-for-sale debt securities is the carrying value at the reporting date.

(B) Details of listed equity securities as at March 31, 2017 and December 31, 2016, are as follows:

<i>(In millions of Korean won, number of shares and percentage)</i>	March 31, 2017			December 31, 2016	
	Number of Shares Owned	Percentage of Ownership (%)	Acquisition Cost	Book Amount (Market Value)	Book Amount (Market Value)
Samsung Heavy Industries	65,930,982	16.9	473,727	738,427	609,862
Hotel Shilla	2,004,717	5.1	13,957	90,413	96,527
iMarket Korea	647,320	1.8	324	8,642	6,732
SFA	1,822,000	10.2	38,262	131,913	117,519
Wonik Holdings	3,518,342	4.6	30,821	19,316	23,714
Wonik IPS	3,701,872	9.0	32,428	92,177	96,989
ASML	6,297,787	1.5	363,012	934,344	851,395
Wacom	8,398,400	5.2	62,013	33,725	26,647
BYD	52,264,808	1.9	528,665	407,258	449,872
Others			47,306	44,407	82,978
Total			₩ 1,590,515	₩ 2,500,622	₩ 2,362,235

Acquisition cost includes impairment loss on available-for-sale financial assets recognized due to the decline in realizable value below acquisition cost. The difference between the acquisition cost, net of impairment loss and the current fair value is recorded within other components of equity, net of tax effects (unrealized gains or losses on available-for-sale financial assets).

5. Inventories

Inventories as at March 31, 2017 and December 31, 2016, are as follows:

<i>(In millions of Korean won)</i>	March 31, 2017			December 31, 2016		
	Gross Amount	Valuation Allowance ¹	Book Amount	Gross Amount	Valuation Allowance ¹	Book Amount
Finished goods	₩ 8,245,241	₩ (1,983,171)	₩ 6,262,070	₩ 7,982,850	₩ (2,077,511)	₩ 5,905,339
Work in process	5,991,069	(318,383)	5,672,686	5,334,607	(317,223)	5,017,384
Raw materials and supplies	10,044,122	(1,036,075)	9,008,047	7,526,608	(1,032,442)	6,494,166
Materials in transit	914,795	-	914,795	936,614	-	936,614
Total	₩25,195,227	₩(3,337,629)	₩21,857,598	₩21,780,679	₩ (3,427,176)	₩18,353,503

¹ Inventories for which the Group has suspended sales or production, are evaluated based on net realizable value. Valuation allowance is recorded if the net realizable value is less than the book amount.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

6. Investments in Associates and Joint Ventures

(A) Changes in investments in associates and joint ventures for the three months ended March 31, 2017 and 2016, are as follows:

<i>(In millions of Korean won)</i>	March 31, 2017	March 31, 2016
Balance as at January 1	₩ 5,837,884	₩ 5,276,348
Acquisition	4,160	4,848
Disposal ¹	(52,204)	(1,339,209)
Share of profit	19,338	9,147
Others ²	(107,816)	(8,785)
Balance as at March 31	₩ 5,701,362	₩ 3,942,349

¹ The Group sold its entire stake in Samsung Card for the three months ended March 31, 2016.

² Others consist of dividends, impairment and reclassification.

(B) Major investments in associates and joint ventures as at March 31, 2017, are as follows:

(1) Investments in associates

Investee	Nature of Relationship with Associate	Percentage of Ownership¹ (%)	Principal Business Location
Samsung Electro-Mechanics	Manufacture and supply electronic components including passive components, circuit boards, and modules	23.7	Korea
Samsung SDS	Provide IT services including computer programming, system integration and management	22.6	Korea
Samsung Biologics	New business investment	31.5	Korea
Samsung SDI ²	Manufacture and supply electronics including secondary cell batteries	19.6	Korea
Cheil Worldwide	Advertising agency	25.2	Korea

¹ Ownership represents the Group's ownership of ordinary shares issued in each entity.

² The Group's ownership of ordinary shares outstanding is 20.3%.

(2) Investments in joint ventures

Investee	Nature of Relationship with Joint Venture	Percentage of Ownership¹ (%)	Principal Business Location
Samsung Corning Advanced Glass	Manufacture and supply industrial glass devices	50.0	Korea

¹ Ownership represents the Group's ownership ordinary shares issued in each entity.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(C) Details of investments in associates and joint ventures as at March 31, 2017 and December 31, 2016, are as follows:

(1) Investments in associates

(In millions of Korean won)

Investee	Acquisition cost	March 31, 2017	
		Net asset value of equity shares ¹	Book amount
Samsung Electro-Mechanics	₩ 359,237	₩ 974,766	₩ 990,926
Samsung SDS	147,963	1,151,998	1,177,053
Samsung Biologics	443,193	1,273,442	1,277,087
Samsung SDI	1,242,605	2,124,439	1,197,402
Cheil Worldwide	506,162	183,360	507,609
Other	585,125	184,020	330,870
Total	₩ 3,284,285	₩ 5,892,025	₩ 5,480,947

¹ The Group's portion of net asset value of associates is based on the Group's ownership percentage.

(In millions of Korean won)

Investee	Acquisition cost	December 31, 2016	
		Net asset value of equity shares ¹	Book amount
Samsung Electro-Mechanics	₩ 359,237	₩ 993,031	₩ 997,022
Samsung SDS	147,963	1,161,197	1,185,703
Samsung Biologics	443,193	1,285,706	1,289,351
Samsung SDI	1,242,605	2,131,718	1,232,986
Cheil Worldwide	506,162	192,594	517,885
Other	642,536	182,279	390,438
Total	₩ 3,341,696	₩ 5,946,525	₩ 5,613,385

¹ The Group's portion of net asset value of associates is based on the Group's ownership percentage.

(2) Investments in joint ventures

(In millions of Korean won)

Investee	Acquisition cost	March 31, 2017	
		Net asset value of equity shares ¹	Book amount
Samsung Corning Advanced Glass	₩ 215,000	168,067	₩ 168,036
Others	259,994	61,064	52,379
Total	₩ 474,994	229,131	₩ 220,415

¹ The Group's portion of net asset value of joint ventures is based on the Group's ownership percentage.

(In millions of Korean won)

Investee	Acquisition cost	December 31, 2016	
		Net asset value of equity shares ¹	Book amount
Samsung Corning Advanced Glass	₩ 215,000	₩ 169,521	₩ 169,485
Others	259,977	59,342	55,014
Total	₩ 474,977	₩ 228,863	₩ 224,499

¹ The Group's portion of net asset value of joint ventures is based on the Group's ownership percentage.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(D) Details of the valuation of investments in associates and joint ventures under the equity method, are as follows:

(1) For the three months ended March 31, 2017

<i>(In millions of Korean won)</i>	Balance as at January 1	Gain/loss on valuation	Other comprehensive income/loss	Others¹	Balance as at March 31
Samsung Electro-Mechanics	₩ 997,022	₩ 11,534	₩ (8,782)	₩ (8,848)	₩ 990,926
Samsung SDS	1,185,703	20,386	(15,932)	(13,104)	1,177,053
Samsung Biologics	1,289,351	(10,460)	(1,804)	-	1,277,087
Samsung SDI	1,232,986	(11,073)	(11,048)	(13,463)	1,197,402
Cheil Worldwide	517,885	4,247	(5,812)	(8,711)	507,609
Samsung Corning Advanced Glass	169,485	(1,449)	-	-	168,036
Others	445,452	6,153	(10,923)	(57,433)	383,249
Total	₩ 5,837,884	₩ 19,338	₩ (54,301)	₩ (101,559)	₩ 5,701,362

¹ Others consist of acquisitions, disposals, dividends, impairment and reclassification.

(2) For the three months ended March 31, 2016

<i>(In millions of Korean won)</i>	Balance as at January 1	Gain/loss on valuation	Other comprehensive income/loss	Others¹	Balance as at March 31
Samsung Card	₩ 1,338,679	₩ -	₩ -	₩ (1,338,679)	₩ -
Samsung Electro-Mechanics	994,489	(1,220)	2,708	(8,846)	987,131
Samsung SDS	1,060,396	29,097	(1,486)	(8,737)	1,079,270
Samsung Biologics	1,310,202	(12,338)	(152)	(2,124)	1,295,588
Samsung Corning Advanced Glass	188,371	(969)	-	-	187,402
Others	384,211	(5,423)	1,978	12,192	392,958
Total	₩ 5,276,348	₩ 9,147	₩ 3,048	₩ (1,346,194)	₩ 3,942,349

¹ Others consist of acquisitions, disposals, dividends, impairment and reclassification.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(E) Summary of condensed financial information of major associates and joint ventures

(1) A summary of condensed financial information of major associates and dividends received from associates as at March 31, 2017 and December 31, 2016, and for the three months ended March 31, 2017 and 2016, is as follows:

(In millions of Korean won)

Investee	2017				
	Samsung Electro-Mechanics	Samsung SDS	Samsung Biologics	Samsung SDI	Cheil Worldwide
1. Condensed financial information					
Condensed statements of financial position:					
Current assets	₩ 2,723,502	₩ 4,570,075	₩ 1,098,541	₩ 3,484,588	₩ 1,489,966
Non-current assets	4,947,735	2,206,330	6,120,322	11,197,475	288,169
Current liabilities	2,311,992	1,302,322	2,318,764	2,230,407	989,948
Non-current liabilities	1,098,364	223,197	856,426	1,667,894	50,282
Non-controlling interests	94,033	149,036	-	231,824	12,122
Condensed statements of comprehensive income:					
Revenue	₩ 1,570,465	₩ 2,149,521	₩ 107,648	₩ 1,304,779	₩ 674,559
Profit(Loss) from continuing operations ¹	2,189	89,727	(33,073)	80,848	16,850
Other comprehensive income (loss) ¹	(37,542)	(70,558)	(5,634)	(89,196)	(23,112)
Total comprehensive income (loss) ¹	(35,353)	19,169	(38,707)	(8,348)	(6,263)
2. Dividends from associates					
Dividends	₩ 8,847	₩ 13,104	₩ -	₩ 13,463	₩ 8,711

¹ Income (Loss) attributable to owners of the parent.

(In millions of Korean won)

Investee	2016				
	Samsung Electro-Mechanics	Samsung SDS	Samsung Biologics	Samsung SDI	Cheil Worldwide
1. Condensed financial information					
Condensed statements of financial position:					
Current assets	₩ 2,812,409	₩ 4,548,448	₩ 1,461,425	₩ 3,958,266	₩ 1,794,812
Non-current assets	4,850,220	2,293,556	6,071,580	10,942,046	356,619
Current liabilities	2,043,155	1,347,385	2,476,545	2,212,796	1,244,899
Non-current liabilities	1,281,889	203,495	974,089	1,723,405	130,248
Non-controlling interests	97,467	150,429	-	241,980	13,277
Condensed statements of comprehensive income:					
Revenue	₩ 1,604,334	₩ 1,745,036	₩ 88,751	₩ -	₩ -
Profit(Loss) from continuing operations ¹	31,283	127,850	(25,702)	-	-
Other comprehensive income (loss) ¹	11,576	(6,583)	(1,504)	-	-
Total comprehensive income (loss) ¹	42,859	121,267	(27,206)	-	-
2. Dividends from associates					
Dividends	₩ 8,847	₩ 8,736	₩ -	₩ -	₩ -

¹ Income (Loss) attributable to owners of the parent

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

- (2) A summary of the condensed financial information of major joint ventures and dividends received from joint ventures as at March 31, 2017 and December 31, 2016, and for the three months ended March 31, 2017 and 2016, is as follows:

<i>(In millions of Korean won)</i>	Samsung Corning Advanced Glass	
	2017	2016
1. Condensed financial information		
Condensed statements of financial position:		
Current assets	₩ 152,097	₩ 170,614
- Cash and cash equivalent	21,555	16,021
Non-current assets	226,787	209,881
Current liabilities	42,219	41,076
- Current financial liabilities ¹	21,154	14,779
Non-current liabilities	530	377
Condensed statements of comprehensive income²:		
Revenue	63,396	65,011
Depreciation and amortization	360	612
Interest income	203	340
Income tax expense	(734)	(730)
Net loss from continuing operations ³	(2,907)	(1,952)
Other comprehensive income (loss) ³	-	-
Total comprehensive loss ³	(2,907)	(1,952)
2. Dividends from joint ventures		
Dividends	₩ -	₩ -

¹ Trade payables, other payables, and provisions are excluded.

² Amounts relate to the three months ended March 31, 2017 and 2016.

³ Profit (Loss) attributable to owners of the parent.

- (3) Profit (loss) amounts attributable to owners of the parent from associates and joint ventures which are not individually material for the three months ended March 31, 2017 and 2016, are as follows:

<i>(In millions of Korean won)</i>	2017		2016	
Investee	Associates	Joint ventures	Associates	Joint ventures
Income (loss) from continuing operations ¹	₩ 1,164	₩ 4,989	₩ (5,854)	₩ 431
Other comprehensive income (loss) ¹	(7,071)	(3,852)	207	3,373
Total comprehensive income (loss) ¹	₩ (5,907)	₩ 1,137	₩ (5,647)	₩ 3,804

¹ Income (Loss) attributable to owners of the parent.

- (F) Fair value of marketable investments in associates as at March 31, 2017 and December 31, 2016, is as follows:

<i>(In millions of Korean won and number of shares)</i>	March 31, 2017		December 31, 2016	
	Number of shares held	Market value	Market value	
Samsung Electro-Mechanics	₩ 17,693,084	₩ 1,229,669	₩	898,809
Samsung SDS	17,472,110	2,332,527		2,437,359
Samsung Biologics	20,836,832	3,604,772		3,146,362
Samsung SDI	13,462,673	1,857,849		1,467,431
Cheil Worldwide	29,038,075	551,723		457,350

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

7. Property, Plant and Equipment

(A) Changes in property, plant and equipment for the three months ended March 31, 2017 and 2016, are as follows:

<i>(In millions of Korean won)</i>	2017		2016	
Balance as at January 1	₩	91,473,041	₩	86,477,110
Acquisition and capital expenditures		9,819,857		4,570,445
Business combinations ¹		858,796		-
Depreciation		(4,769,499)		(5,121,375)
Disposals/scrap/impairment		(48,699)		(27,502)
Other ²		(2,011,078)		(333,331)
Balance as at March 31	₩	95,322,418	₩	85,565,347

¹ Samsung Electronics America, the Group's subsidiary, acquired 100% of the equity shares of Harman International Industries and its subsidiaries (Refer to Note 27).

² Other includes effects of changes in foreign currency exchange rates and effects of the offset related to government assistance.

(B) Details of depreciation of property, plant and equipment for the three months ended March 31, 2017 and 2016, are as follows:

<i>(In millions of Korean won)</i>	2017		2016	
Cost of sales	₩	4,252,772	₩	4,640,002
Selling and administrative expenses and others		516,727		481,373
Total	₩	4,769,499	₩	5,121,375

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

8. Intangible Assets

(A) Changes in intangible assets for the three months ended March 31, 2017 and 2016, are as follows:

<i>(In millions of Korean won)</i>	2017		2016	
Balance as at January 1	₩	5,344,020	₩	5,396,311
Internally generated (development costs)		88,836		245,192
External acquisitions		82,262		104,818
Business combinations ¹		10,013,241		-
Amortization		(371,959)		(346,944)
Disposals/scrap/impairment		(2,113)		(70,653)
Other ²		(378,357)		46,307
Balance as at March 31	₩	14,775,930	₩	5,375,031

¹ Samsung Electronics America, the Group's subsidiary, acquired 100% of the equity shares of Harman International Industries and its subsidiaries (Refer to Note 27).

² Other includes effects of changes in foreign currency exchange rates and others.

(B) Details of amortization of intangible assets for the three months ended March 31, 2017 and 2016, are as follows:

<i>(In millions of Korean won)</i>	2017		2016	
Cost of sales	₩	245,964	₩	235,036
Selling and administrative expenses and others		125,995		111,908
Total	₩	371,959	₩	346,944

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

9. Borrowings

Details of the carrying amounts of borrowings as at March 31, 2017 and December 31, 2016 are as follows:

<i>(In millions of Korean won)</i>	Financial Institutions	Annual Interest Rates (%) as at March 31, 2017	March 31, 2017	December 31, 2016
Short-term borrowings				
Collateralized borrowings ¹	Woori Bank and others	0.1 ~ 10.4	₩ 7,906,830	₩ 10,929,768
Non-collateralized borrowings	Citibank and others	0.5 ~ 18.9	1,612,180	1,817,021
Total			₩ 9,519,010	₩ 12,746,789
Current portion of long-term borrowings				
Bank borrowings	US Bank and others	3.5 ~ 6.0	₩ 640	₩ 684
Financial lease liabilities ²	CSSD and others	1.1 ~ 15.7	16,957	18,599
Total			₩ 17,597	₩ 19,283
Long-term borrowings				
Bank borrowings	Citibank and others	LIBOR+0.4 ~ 19.8	₩ 1,575,366	₩ 1,179,111
Financial lease liabilities ²	CSSD and others	1.1 ~ 15.7	65,613	65,127
Total			₩ 1,640,979	₩ 1,244,238

¹ Collateralized borrowings are secured by trade receivables.

² Leased property, plant and equipment were pledged as collateral.

10. Debentures

Details of foreign currency denominated debentures as at March 31, 2017 and December 31, 2016 are as follows:

<i>(In millions of Korean Won)</i>	Issue Date	Due Date	Annual Interest Rates (%) as of March 31, 2017	March 31, 2017	December 31, 2016
US dollar denominated straight bonds ¹	1997.10.2	2027.10.1	7.7	₩ 61,386 (US\$55 million)	₩ 66,468 (US\$55 million)
US dollar denominated unsecured bonds ²	2012.4.10	2017.4.10	1.8	1,116,100 (US\$1,000 million)	1,208,500 (US\$1,000 million)
US dollar denominated debenture bonds ³	2015.5.11	2025.5.15	4.2	446,440 (US\$400 million)	-
EURO denominated debenture bonds ⁴	2015.5.27	2022.5.27	2.0	417,412 (EUR€350 million)	-
Less: Current Portion				(1,121,681)	(1,214,543)
Less: Discounts				(1,675)	(1,883)
More: Premium				32,291	-
Total				₩ 950,273	₩ 58,542

¹ US dollar denominated straight bonds are repaid annually for twenty years after a ten-year grace period from the date of issuance. Interest is paid semi-annually.

² Samsung Electronics America issued dollar denominated unsecured bonds. Repayment of these debentures is due on the date of maturity and interest is paid semi-annually.

³ Harman International Industries issued dollar denominated debenture bonds. Repayment of these debentures is due on the date of maturity and interest is paid semi-annually.

⁴ Harman International Industries issued euro denominated debenture bonds. Repayment of these debentures is due on the date of maturity and interest is paid annually.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

11. Net Defined Benefit Liabilities (Assets)

(A) Details of net defined benefit liabilities(assets) recognized on the statements of financial position as at March 31, 2017 and December 31, 2016 are as follows:

<i>(In millions of Korean won)</i>	March 31, 2017	December 31, 2016
Present value of funded defined benefit obligations	₩ 7,220,320	₩ 7,167,929
Present value of unfunded defined benefit obligations	396,300	110,885
Subtotal	7,616,620	7,278,814
Fair value of plan assets	(7,616,461)	(7,662,249)
Total	₩ 159	₩ (383,435)

(B) The amounts recognized in the statements of profit or loss for the three months ended March 31, 2017 and 2016 relating to defined benefit plans are as follows:

<i>(In millions of Korean won)</i>	2017	2016
Current service cost	₩ 226,348	₩ 276,583
Net interest cost(income)	(3,382)	4,025
Others	(2,724)	(7,202)
Total	₩ 220,242	₩ 273,406

(C) The pension expenses related to defined benefit plans by line item recognized on the statements of profit or loss for the three months ended March 31, 2017 and 2016 are as follows:

<i>(In millions of Korean won)</i>	2017	2016
Cost of sales	₩ 86,733	₩ 119,656
Selling and administrative expenses and others	133,509	153,750
Total	₩ 220,242	₩ 273,406

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

12. Provisions

Changes in the provisions for the three months ended March 31, 2017 are as follows:

<i>(In millions of Korean won)</i>	Warranty (A)	Royalty expenses (B)	Long-term incentives (C)	Bonus (D)	Others (E, F)	Total
Balance as at January 1	₩ 1,747,857	₩ 1,588,037	₩ 716,252	₩ -	₩ 903,397	₩ 4,955,543
Charged (credited) to the statement of income	581,916	137,294	48,432	1,133,188	81,934	1,982,764
Payment	(526,644)	(5,298)	-	(43,222)	(465,913)	(1,041,077)
Others ¹	130,888	(116,871)	-	49,752	(13,370)	50,399
Balance as at March 31	₩ 1,934,017	₩ 1,603,162	₩ 764,684	₩ 1,139,718	₩ 506,048	₩ 5,947,629

¹ Other includes effects of changes in foreign currency exchange rates, business combination, and reclassification as assets held-for sale.

- (A) The Group accrues warranty reserves for estimated costs of future service, repairs and recalls, based on historical experience and terms of warranty programs.
- (B) The Group recognizes provisions for the estimated royalty expenses that are under negotiation with counterparties. The timing of payment depends on the settlement of the negotiation.
- (C) The Group has a long-term incentive plan for its executives based on a three-year management performance criteria and recognizes a provision for the estimated incentive cost for the accrued period.
- (D) The Group provides bonuses for its executives and employees, which are determined based on current-period performance. The estimated bonus cost for the accrued period has been recognized as a provision.
- (E) The Group records provisions for the estimated expenses occurring from discontinuing production and sale of products.
- (F) The Group makes provisions for the carrying amounts of emission rights held by the Group and the emission in excess of the emission rights for the applicable years. Details of emission rights and liabilities as at March 31, 2017 are as follows:

- (1) Allocated amount of emission permits and estimated amount of emission as at March 31, 2017 are as follows:

<i>(In ten thousand metric tons)</i>	2017
Allocated emission permits	1,188
Estimated volume of emission	1,242

- (2) Changes in the emission permits rights for the three months ended March 31, 2017 are as follows:

<i>(In millions of Korean won)</i>	2017
Balance as at January 1	₩ 15,067
Acquisition	5,626
Balance as at March 31	₩ 20,693

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

- (3) Changes in the provisions for emissions liabilities for the three months ended March 31, 2017 are as follows:

<i>(In millions of Korean won)</i>	2017	
Balance as at January 1	₩	12,692
Charged to the statement of profit of loss		5,367
Balance as at March 31	₩	18,059

13. Commitments and Contingencies

(A) Guarantees

Details of guarantees of debt provided by the Group as at March 31, 2017 and December 31, 2016 are as follows:

<i>(In millions of Korean won)</i>	March 31, 2017		December 31, 2016	
Guarantees of debt for housing rental ¹	₩	53,448	₩	56,752

¹ Represents the maximum amount of debt guarantee, which was provided for employees who took debt from financial institutions in order to finance employee housing rental.

In addition to the guarantees described above, the Group provides guarantees for borrowings by Medicapital from Dime Investment and other companies in the amount of ₩ 2,264 million.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(B) Litigation

- (1) The litigation with Apple Inc. (“Apple”) is ongoing in the United States as at the reporting date. On August 24, 2012, the jury determined that the Group partially infringed Apple’s design and utility patent and should pay damages to Apple. However, On March 1, 2013, the Judge ordered a new trial for a certain portion of the damages, ruling that it was originally miscalculated. On November 21, 2013 a jury verdict was rendered on the recalculated damages amount, and on March 6, 2014, the Judge made a final judgement to confirm the total damages and deny Apple’s bid for a permanent injunction against the Group. The Group appealed the decision on the damages amount on March 7, 2014, and a hearing on the appeal was held on December 4, 2014. On May 18, 2015, the appeals court affirmed in part and reversed in part a previous decision, and remanded it. On June 17, 2015, the Group petitioned for an en banc rehearing regarding the design infringement, and on August 13, 2015, the federal court dismissed the Group’s request. After the remand procedure, the Court of First Trial announced a partial final judgment on the appeals on September 18, 2015. On October 13, 2015, the immediate appeal was dismissed and on November 19, 2015, the Federal Circuit Court denied an en banc rehearing request. On December 11, 2015, the Group made payment for the damages. On December 14, 2015, the Group filed an appeal to the Supreme Court regarding the design patent infringement ruling. Thereafter, the two parties have submitted in writing to the District court details of supplemental damages incurred in connection with the ruling. On March 21, 2016, the Supreme Court granted the design-related appeals filed by the Group and on March 22, 2016, the Court of First Trial ordered all proceedings for review of damages scheduled to commence March 28, 2016 suspended until the sentence rendered by the Supreme Court was confirmed. On June 1, 2016, the Group submitted the draft document in the design-related appeal, and on June 8, 2016, several companies and organizations presented the document in support of the Group. Apple filed a dissenting document on July 29, 2016, and on August 5, 2016, several companies and organizations presented an advocative document. On August, 29, 2016, the Group submitted a rebuttal letter. Oral statements for the appeal were held at the Supreme Court on October 11, 2016. On December 6, 2016, the Supreme Court issued a ruling citing the Group appeal and returned the case to the Court of Appeals. On February 7, 2017, the Court of Appeals reversed the case to the Court of First Trial.

Additionally, on May 5, 2014, the jury in another ongoing patent lawsuit determined that the Group partially infringed Apple’s utility patent and should pay damages to Apple. On November 25, 2014, the first trial judgment was pronounced to confirm the jury’s verdict. The Group appealed on November 25, 2014 and the rehearing was held on January 5, 2016. On August 27, 2014, the Judge denied Apple’s request for a permanent injunction on the Group’s product. However, on September 17, 2015, the appellate court reversed and remanded a previous decision and on December 16, 2015, the Federal Circuit Court denied an en banc hearing request of the Group. On January 18, 2016, the Court of First instance ordered a permanent injunction on the Group’s product. On February 26, 2016, a panel of appellate court reversed the first trial judgment of November 25, 2014 and ruled that the Group had not infringed Apple’s some patents and its remaining patents were invalid. On March 30, 2016, Apple filed a petition for an en banc rehearing about the rulings of the panel. On October 7, 2016, the en banc appellate court reversed the panel rulings, affirming the first trial judgment that the Group had infringed Apple’s patent. On March 10, 2017, the Group appealed to the Supreme Court against the rulings of the en banc appellate Court. The final conclusion and the effect of the patent lawsuits with Apple are uncertain as at the reporting date.

In August 2014, the Group and Apple reached an agreement to withdraw from ongoing litigation in all regions other than the United States, and the Group has withdrawn all non-United States based lawsuits.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

- (2) The Group is involved in claims, disputes, and investigations conducted by regulatory bodies at the reporting date, including civil claims from some overseas buyers for price-fixing related to the sale of TFT-LCD. Although the outflow of resources and timing of these matters are uncertain, the Group believes the outcome will not have a material impact on the financial condition of the Group.
- (3) In addition, during the normal course of business with numerous companies, the Group has been involved in various claims, disputes, and investigations conducted by regulatory bodies. Although the outflow of resources and timing of these matters are uncertain, the Group believes the outcome will not have a material impact on the financial condition of the Group.

(C) Other commitments

Samsung Display entered into a collaboration agreement with Corning Incorporated on October 23, 2013 that includes a condition relating to mutual loss preservation which can cause inflows or outflows of future economic benefits and the Group has recorded an estimated liability as a result of this commitment as at March 31, 2017.

14. Share Capital

The Group's total number of authorized shares is 500,000,000 shares (₩5,000 per share). The Group has issued 140,679,337 shares of ordinary shares and 20,513,427 shares of preference shares as at March 31, 2017, excluding retired shares. Due to the retirement of shares, the total par value of the shares issued is ₩805,964 million (ordinary shares ₩703,397 million and preference shares ₩102,567 million), which does not agree with paid-in capital of ₩897,514 million.

15. Retained Earnings

(A) Retained earnings as at March 31, 2017 and December 31, 2016 consist of:

<i>(In millions of Korean won)</i>	March 31, 2017	December 31, 2016
Appropriated	₩ 139,195,967	₩ 143,007,192
Unappropriated	57,528,530	50,079,125
Total	₩ 196,724,497	₩ 193,086,317

(B) On April 27, 2017, the Company declared cash dividends to shareholders of ordinary shares and preference shares as interim dividends for the three months ended March 31, 2017.

Details of interim dividends for the three months ended March 31, 2017 and 2016 are as follows:

<i>(In millions of Korean won)</i>		March 31, 2017	March 31, 2016
Number of shares eligible for dividends	Ordinary shares	121,840,851	-
	Preferred shares	17,069,534	-
Dividend rate (based on par value)		140%	-
Dividend amount	Ordinary shares	₩ 852,886	-
	Preferred shares	119,487	-
	Total	₩ 972,373	-

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

16. Other Components of Equity

(A) Other components of equity as at March 31, 2017 and December 31, 2016 consist of:

<i>(In millions of Korean won)</i>	March 31, 2017	December 31, 2016
Treasury stock	₩ (11,796,121)	₩ (9,750,326)
Unrealized gains on available-for-sale financial assets	1,561,924	1,390,624
Share of other comprehensive income of associates and joint ventures	39,485	94,694
Foreign currency translation	(7,900,566)	(2,902,076)
Remeasurements of net defined benefit liabilities (assets)	(847,924)	(811,529)
Others	50,720	44,027
Total	₩ (18,892,482)	₩ (11,934,586)

(B) The Group repurchases registered ordinary shares and non-voting preference shares for the purpose of stock price stability and increase in shareholder value. The Group recognizes the repurchase amount in other components of equity. Treasury stock as at March 31, 2017 and December 31, 2016 consists of as follows:

<i>(In millions of Korean won and number of shares)</i>	March 31, 2017		December 31, 2016	
	Ordinary Shares	Preference Shares	Ordinary Shares	Preference Shares
Number of shares	18,838,486	3,443,893	17,981,686	3,229,693
Acquisition cost	₩ 10,581,212	₩ 1,214,909	₩ 8,871,509	₩ 878,817

17. Expenses by Nature

Expenses by nature for the three months ended March 31, 2017 and 2016 consist of the following:

<i>(In millions of Korean won)</i>	2017	2016
Changes in finished goods and work in process	₩ (1,012,033)	₩ (114,432)
Raw materials used and merchandise purchased and others	17,067,611	18,866,930
Wages and salaries	5,096,752	4,874,819
Pension	236,784	292,363
Depreciation	4,769,499	5,121,375
Amortization	371,959	346,944
Welfare	932,518	911,630
Commission and service charges	1,843,706	2,197,277
Other expenses	11,342,369	10,609,534
Total¹	₩ 40,649,165	₩ 43,106,440

¹ Equal to the sum of cost of sales and selling and administrative expenses on the interim consolidated statements of profit or loss.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

18. Selling and Administrative Expenses

Selling and administrative expenses for the three months ended March 31, 2017 and 2016 are as follows:

<i>(In millions of Korean won)</i>	2017	2016
1) Selling and administrative expenses		
Wages and salaries	₩ 1,588,303	₩ 1,465,022
Pension	62,807	66,480
Commission and service charges	1,843,706	2,197,277
Depreciation	211,033	193,420
Amortization	67,489	58,340
Advertising	818,878	1,122,168
Sales promotion	1,374,205	1,660,512
Transportation	785,644	754,894
Warranty	852,103	764,872
Others	1,119,448	883,080
2) Research and development expenses		
Total expenses	3,858,788	3,811,709
Capitalized expenses	(88,836)	(245,192)
Total	₩ 12,493,568	₩ 12,732,582

19. Other Non-Operating Income and Expense

Details of other non-operating income for the three months ended March 31, 2017 and 2016 are as follows:

<i>(In millions of Korean won)</i>	2017	2016
Non-operating income		
Dividend income	₩ 31,933	₩ 124,083
Rental income	33,365	23,392
Gain on disposal of investments	74,448	358,953
Gain on disposal of property, plant and equipment	15,615	16,121
Gain on disposal of assets classified as held-for-sale	-	69,924
Others	161,062	110,120
Total	₩ 316,423	₩ 702,593

Details of other non-operating expense for the three months ended March 31, 2017 and 2016 are as follows:

<i>(In millions of Korean won)</i>	2017	2016
Non-operating expense		
Loss on disposal of property, plant and equipment	₩ 37,285	₩ 13,071
Donations	27,254	132,169
Impairment losses on intangible assets	-	57,084
Others	212,695	136,312
Total	₩ 277,234	₩ 338,636

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

20. Financial Income and Costs

(A) Details of financial income and costs for the three months ended March 31, 2017 and 2016 are as follows:

<i>(In millions of Korean won)</i>	2017	2016
Financial income		
Interest income:	₩ 400,606	₩ 392,981
Interest income from loans and receivables	400,129	374,505
Interest income from available-for-sale financial assets	477	18,476
Foreign exchange differences	1,485,057	2,429,440
Gains from derivatives	211,489	257,508
Total	₩ 2,097,152	₩ 3,079,929

<i>(In millions of Korean won)</i>	2017	2016
Financial costs		
Interest expense:	₩ 148,390	₩ 166,481
Interest expense from financial liabilities measured at amortized cost	90,298	113,590
Other financial liabilities	58,092	52,891
Foreign exchange differences	1,492,524	2,558,627
Losses from derivatives	248,550	281,252
Total	₩ 1,889,464	₩ 3,006,360

(B) The Group recognizes foreign exchange gains and losses arising from foreign currency transactions and translation as financial income and costs.

21. Income Tax Expense

Income tax expense is recognized based on management's best estimate of the weighted average annual effective income tax rate expected for the full financial year. The average annual tax rate expected as at March 31, 2017 to be effective for the year ended December 31, 2017 is 24.4%.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

22. Earnings per Share

(A) Basic earnings per share

Basic earnings per share for the three months ended March 31, 2017 and 2016 are calculated as follows:

(1) Ordinary Shares

<i>(In millions of Korean won and thousands of number of shares)</i>	2017	2016
Profit attributable to owners of the Parent company	₩ 7,488,532	₩ 5,263,506
Profit available for ordinary shares	6,568,141	4,604,386
Weighted-average number of common shares outstanding	122,412	126,647
Basic earnings per share (in Korean won)	₩ 53,656	₩ 36,356

(2) Preference Shares

<i>(In millions of Korean won and thousands of number of shares)</i>	2017	2016
Profit attributable to owners of the Parent company	₩ 7,488,532	₩ 5,263,506
Profit available for preference shares	920,391	659,120
Weighted-average number of preference shares outstanding	17,212	18,259
Basic earnings per preference shares (in Korean won)	₩ 53,473	₩ 36,098

(B) Diluted earnings per share

The Group does not have dilutive potentially ordinary shares and as a result, basic earnings per share and diluted earnings per share are the same for the three months ended March 31, 2017 and 2016.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

23. Cash Generated from Operation

Adjustments and changes in assets and liabilities arising from operating activities for the three months ended March 31, 2017 and 2016 are as follows:

- Adjustments

<i>(In millions of Korean won)</i>	2017	2016
Adjustments for:		
Income tax expense	₩ 2,480,222	₩ 1,869,682
Finance income	(1,250,044)	(1,264,395)
Finance costs	975,942	1,501,635
Severance and retirement benefits	236,784	292,363
Depreciation	4,769,499	5,121,375
Amortization	371,959	346,944
Bad debt expenses	264,839	184,141
Gain on valuation of equity method	(19,338)	(9,147)
Gain on disposal of property, plant and equipment	(15,615)	(16,121)
Loss on disposal of property, plant and equipment	37,285	13,071
Impairment losses on intangible assets	-	57,084
Obsolescence and scrapping of inventories	395,869	385,614
Gain on disposal of investments	(74,448)	(358,953)
Gain on disposal of assets classified as held-for-sale	-	(69,924)
Dividend income	(31,933)	(124,083)
Other income/expense	(231,509)	(125,161)
Total	₩ 7,909,512	₩ 7,804,125

- Changes in assets and liabilities arising from operating activities

<i>(In millions of Korean won)</i>	2017	2016
Changes in assets and liabilities :		
Decrease(increase) in trade receivables	₩ 2,125,284	₩ (211,494)
Decrease in other receivables	168,469	338,991
Increase in advances	(124,697)	(19,643)
Decrease(increase) in prepaid expenses	142,215	(978,216)
Increase in inventories	(3,893,502)	(279,815)
Increase in trade payables	3,083,919	1,180,366
Decrease in other payables	(637,142)	(369,042)
Decrease in advances received	(224,138)	(9,973)
Increase(decrease) in withholdings	(124,745)	236,360
Decrease in accrued expenses	(3,731,064)	(2,433,157)
Increase in provisions	1,039,796	76,719
Payment of severance benefits	(199,537)	(121,902)
Others	(835,943)	297,707
Total	₩ (3,211,085)	₩ (2,293,099)

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

24. Financial Risk Management

The Group's financial risk management focuses on minimizing market risk, credit risk, and liquidity risk arising from operating activities. To mitigate these risks, the Group implements and operates a financial risk policy and program that closely monitors and manages such risks. In addition, the Group uses derivative financial instruments to hedge certain risk exposure.

The finance team mainly carries out the Group's financial risk management. With the cooperation of the Group's divisions, domestic and foreign subsidiaries, the finance team periodically measures, evaluates and hedges financial risk and also establishes and implements the global financial risk management policy.

Also, financial risk management officers are dispatched to the regional headquarters of each area including the United States, United Kingdom, Singapore, China, Brazil and Russia to operate the local finance center in accordance with global financial risk management.

The Group's financial assets that are under financial risk management are comprised of cash and cash equivalents, short-term financial instruments, available-for-sale financial assets, trade and other receivables and other financial assets. The Group's financial liabilities under financial risk management are comprised of trade and other payables, borrowings, debentures, and other financial liabilities.

(A) Market risk

(1) Foreign exchange risk

Revenues and expenses arise from foreign currency transactions and exchange positions, and the most widely used currencies are the US Dollar, EU's Euro, Japanese Yen and Chinese Yuan.

To minimize foreign exchange risk arising from operating activities, the Group's foreign exchange management policy requires normal business transactions to be in local currency or for the cash-in currency to be matched up with the cash-out currency. In addition, the Group makes use of derivative instruments to minimize uncertainty of cash flows and fluctuation of profit or loss occurring from foreign exchange risk. The Group's foreign exchange risk management policy also defines foreign exchange risk, measuring period, controlling responsibilities, management procedures, hedging period and hedge ratio.

The Group limits all speculative foreign exchange transactions and operates a system to manage receivables and payables denominated in foreign currency. It evaluates, manages and reports foreign currency exposures to receivables and payables.

(2) Price risk

The Group's investment portfolio consists of direct and indirect investments in equity securities classified as available-for-sale, which is in line with the Group's strategy.

As at March 31, 2017 and December 31, 2016, a price fluctuation in relation to marketable equity securities by 1% would result in changes in other comprehensive income (before income tax) of ₩25,006 million and ₩23,622 million, respectively.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(3) Interest rate risk

Risk of changes in interest rates for floating interest rate financial instruments is defined as the risk that the fair value of components of the statement of financial position, and future cash flows of interest income (expenses) of a financial instrument, will fluctuate because of changes in market interest rates. The Group is exposed to interest rate risk mainly through interest bearing liabilities and assets. The Group's position with regard to interest rate risk exposure is mainly driven by its floating interest rate debt obligations and interest-bearing deposits. The Group implemented policies and operates to minimize uncertainty arising from changes in interest rates and finance costs.

In order to avoid interest rate risk, the Group maintains minimum external borrowings by facilitating cash pooling systems on a regional and global basis. The Group manages exposed interest rate risk via periodic monitoring and handles risk factors on a timely basis.

(B) Credit risk

Credit risk arises during the normal course of transactions and investing activities where clients or other parties fail to discharge an obligation. The Group monitors and sets the client's and counterparty's credit limit on a periodic basis based on the client's and counterparty's financial conditions, default history and other important factors. Adequate insurance coverage is maintained for accounts receivables related to trading partners situated in higher risk countries.

Credit risk can arise from transactions with financial institutions which include financial instrument transactions such as cash and cash equivalents, savings, and derivative instruments. To minimize such risk, the Group transacts only with banks which have strong international credit rating (S&P A and above), and all new transactions with financial institutions with no prior transaction history are approved, managed and monitored by the Group's finance team and the local finance center. The Group requires separate approval for contracts with restrictions.

The Group estimates that its maximum exposure to credit risk is the carrying value of its financial assets, net of impairment losses.

(C) Liquidity risk

Due to large investments made by the Group, maintaining adequate levels of liquidity risk is critical. The Group strives to achieve this goal by periodically forecasting its capital balance, estimating required cash levels, and managing income and expenses.

The Group manages its liquidity risk by periodically forecasting projected cash flows. If abnormal signs are identified, the Group works with the local finance center and provides liquidity support by utilizing a globally integrated finance structure, such as Cash Pooling. In addition, the Group maintains a liquidity management process which provides additional financial support by the local finance center and the Group. The Cash Pooling program allows sharing of surplus funds among entities and contributes to minimizing liquidity risk and strengthening the Group's competitive position by reducing capital operation expenses and finance costs.

In addition, the Group mitigates liquidity risk by contracting with financial institutions with respect to bank overdrafts and foreign trade finance, and by providing payment guarantees to subsidiaries. For large scale facility investments, liquidity risk is minimized by utilizing internal reserves and long term borrowings according to the capital injection schedule.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(D) Capital risk management

The purpose of capital management is to maintain a sound capital structure. The Group monitors capital on the basis of the ratio of total liabilities to total equity. This ratio is calculated by dividing total liabilities by total equity in the consolidated financial statements.

The Group's capital risk management policy has not changed since the previous fiscal year. The Group has maintained an A+ and A1 credit rating from S&P and Moody's, respectively, on its long term debt.

The total liabilities to equity ratios as of March 31, 2017 and December 31, 2016 are as follows:

<i>(In millions of Korean won)</i>	March 31, 2017	December 31, 2016
Total liabilities	₩ 74,399,417	₩ 69,211,291
Total equity	189,817,955	192,963,033
Total liabilities to equity ratio	39.2%	35.9%

(E) Fair value estimation

(1) Carrying amounts and fair values of financial instruments by category as at March 31, 2017 and December 31, 2016 are as follows:

<i>(In millions of Korean won)</i>	March 31, 2017		December 31, 2016	
	Carrying amount	Fair value	Carrying amount	Fair value
Financial assets				
Cash and cash equivalents	₩ 27,562,938	₩ 1	₩ 32,111,442	₩ 1
Short-term financial instruments	41,775,404	1	52,432,411	1
Short-term available-for-sale financial assets	4,063,945	4,063,945	3,638,460	3,638,460
Trade receivables	22,340,688	1	24,279,211	1
Long-term available-for-sale financial assets ²	6,967,149	5,900,816	6,804,276	5,826,507
Others ³	5,152,457	1,184,790	3,459,863	919,071
Total financial assets	₩ 107,862,581		₩ 122,725,663	
Financial liabilities				
Trade payables	₩ 9,569,549	₩ 1	₩ 6,485,039	₩ 1
Short-term borrowings	9,519,010	1	12,746,789	1
Other payables	14,605,683	1	10,225,271	1
Current portion of long-term liabilities	1,139,042	1	1,232,817	1
Debentures	950,273	966,899	58,542	76,129
Long-term borrowings	1,640,979	1,646,744	1,244,238	1,225,455
Long-term other payables	2,275,273	2,280,609	3,009,659	3,022,821
Others ³	8,624,874	97,962	11,942,469	74,697
Total financial liabilities	₩ 48,324,683		₩ 46,944,824	

¹ Assets and liabilities whose carrying amount is a reasonable approximation of fair value are excluded from the fair value disclosures.

² Amounts measured at cost (March 31, 2017: ₩1,066,333 million, December 31, 2016: ₩977,769 million) are excluded as the range of reasonable fair value estimates is significant and the probabilities of the various estimates cannot be reasonably assessed.

³ Assets measured at cost of ₩3,866,815 million (December 31, 2016: ₩2,452,118 million) and liabilities measured at cost of ₩8,526,912 million (December 31, 2016: ₩11,867,772) are excluded as the carrying amount is a reasonable approximation of fair value.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(2) The following table presents the assets and liabilities by level, that are measured at fair value:

		March 31, 2017			
<i>(In millions of Korean won)</i>	Level 1	Level 2	Level 3	Total balance	
1) Assets					
Short-term available-for-sale financial assets	₩ -	₩ 4,063,945	₩ -	₩ 4,063,945	
Long-term available-for-sale financial assets	2,500,622	-	3,400,194	5,900,816	
Others	-	1,184,790	-	1,184,790	
2) Liabilities					
Debentures	₩ -	₩ 966,899	₩ -	₩ 966,899	
Long-term borrowings	-	1,646,744	-	1,646,744	
Long-term other payables	-	1,960,751	319,858	2,280,609	
Others	-	60,231	37,731	97,962	

		December 31, 2016			
<i>(In millions of Korean won)</i>	Level 1	Level 2	Level 3	Total balance	
1) Assets					
Short-term available-for-sale financial assets	₩ -	₩ 3,638,460	₩ -	₩ 3,638,460	
Long-term available-for-sale financial assets	2,362,235	-	3,464,272	5,826,507	
Others	-	919,071	-	919,071	
2) Liabilities					
Debentures	₩ -	₩ 76,129	₩ -	₩ 76,129	
Long-term borrowings	-	1,225,455	-	1,225,455	
Long-term other payables	-	2,680,119	342,702	3,022,821	
Others	-	74,697	-	74,697	

The levels of the fair value hierarchy and its application to financial assets and liabilities are described below.

- Level 1: Quoted prices (unadjusted) in active markets for identical assets or liabilities
- Level 2: Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly
- Level 3: Inputs for the asset or liability that are not based on observable market data (that is, unobservable inputs)

The fair value of financial instruments traded in active markets is based on quoted market prices at the statement of financial position date. A market is regarded as active if quoted prices are readily and regularly available from an exchange, dealer, broker, industry group, pricing service, or regulatory agency, and those prices represent actual and regularly occurring market transactions on an arm's length basis. The quoted market price used for financial assets held by the Group is the current bid price. These instruments are included in Level 1. Instruments included in Level 1 are listed equity investments classified as trading securities or available-for-sale financial assets.

The fair value of financial instruments that are not traded in an active market (for example, over-the-counter derivatives) is determined by using valuation techniques. These valuation techniques maximize the use of observable market data where it is available and rely as little as possible on entity specific estimates. If all significant inputs required to fair value an instrument are observable, the instrument is included in Level 2.

If one or more of the significant inputs are not based on observable market data, the instrument is included in Level 3.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

The Group performs the fair value measurements required for financial reporting purposes, including Level 3 fair values and discusses valuation processes and results at least once every quarter in line with the Group's quarterly reporting dates. The Group's policy is to recognize transfers between levels at the end of the reporting period, if corresponding events or changes in circumstances have occurred.

Specific valuation techniques used to value financial instruments include:

- Quoted market prices or dealer quotes for similar instruments
- The fair value of forward foreign exchange contracts is determined using forward exchange rates at the statement of financial position date, with the resulting value discounted back to present value

Other techniques, such as discounted cash flow analysis, are used to determine fair value for the remaining financial instruments. For trade and other receivables, the book amount approximates a reasonable estimate of fair value.

(3) Valuation technique and the inputs

The Group utilizes a present value technique to discount future cash flows using at a proper interest rate for corporate bonds, government and public bonds, and bank debentures that are classified as Level 2 in the fair value hierarchy.

The following table presents the valuation technique and the inputs used for major financial instruments classified as Level 3.

(In millions of Korean won)

Classification	Fair Value	Valuation Technique	Level 3 Inputs	Input Range (Weighted Average)
Long-term available-for-sale financial assets				
Maltani	₩ 16,270	Discounted cash flow	Permanent growth rate Weighted average cost of capital	-1.00% ~ 1.00% (0%) 7.45%~9.45%(8.45%)
Samsung Venture Investment	7,515	Discounted cash flow	Permanent growth rate Weighted average cost of capital	-1.00% ~ 1.00% (0%) 21.31%~23.31%(22.31%)
Corning Incorporated convertible preference shares	3,376,409	Trinomial model	Risk adjusted discount rate Price volatility	5.70%~7.70%(6.70%) 27.40%~33.40%(30.40%)
Long-term other payables				
Contingent financial liability	319,858	Discounted cash flow	Discount rate	3.81%~4.65%(4.23%)
Others				
Contingent financial liability	30,929	Monte Carlo simulation	Discount rate Risk free rate Asset volatility Credit spread	10.50% 0.97% 34.54% 2.12%
Contingent financial liability	5,190	Discounted cash flow	Discount rate	17.57%
Contingent financial liability	1,612	Probability-weighted discounted cash flow	Weighted average cost of capital Credit risk	8.60% 2.12%

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(4) Changes in Level 3 instruments:

<i>(In millions of Korean won)</i>	March 31, 2017		March 31, 2016	
Financial Assets				
Balance as at January 1	₩	3,464,272	₩	3,488,344
Amount recognized in profit or loss		-		(14,782)
Amount recognized in other comprehensive income		(64,078)		293,307
Others		-		(402,482)
Balance as at March 31	₩	3,400,194	₩	3,364,387

<i>(In millions of Korean won)</i>	March 31, 2017		March 31, 2016	
Financial Liabilities				
Balance as at January 1	₩	342,702	₩	312,738
Amount recognized in profit or loss		(22,844)		4,171
Acquisition in the business combination		39,083		-
Others		(1,352)		-
Balance as at March 31	₩	357,589	₩	316,909

(5) Sensitivity analysis for recurring fair value measurements categorized within Level 3

Sensitivity analysis of financial instruments is performed to measure favorable and unfavorable changes in the fair value of financial instruments which are affected by the unobservable parameters, using a statistical technique. When the fair value is affected by more than two input parameters, the amounts represent the most favorable or most unfavorable.

The results of the sensitivity analysis for the effect on profit or loss (before tax amount for other comprehensive income or loss) from changes in inputs for major financial instruments which are categorized within Level 3 and subject to sensitivity analysis, are as follows:

<i>(In millions of Korean won)</i>	Classification	Favorable Changes		Unfavorable Changes	
		Profit or Loss	Equity	Profit or Loss	Equity
	Long-term available-for-sale financial assets ¹	₩ -	₩ 132,713	₩ -	₩ (158,096)
	Long-term other payables ²	1,457	1,457	(1,464)	(1,464)
	Total	₩ 1,457	₩ 134,170	₩ (1,464)	₩ (159,560)

¹ For equity securities, changes in fair value are calculated with the correlation between discount rate and growth rate(-1%~1%), which are significant unobservable inputs.

² The fair value of long-term other payables is calculated by increasing or decreasing the discount rate by 10%, which is significant unobservable input.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

25. Segment Information

(A) Operating segment information

The chief operating decision maker has been identified as the Management Committee. The Management Committee is responsible for making strategic decisions based on review of the Group's internal reporting. The Management Committee has determined the operating segments based on these reports.

The Management Committee reviews operating profits of each operating segment in order to assess performance and to make decisions about allocating resources to the segment. The operating segments are product based and include CE, IM, Semiconductor, DP and others.

Depreciation, amortization of intangible assets, and operating profit were prepared after the allocation of internal transaction adjustments. Total assets and liabilities of each operating segment are excluded from the disclosure as these have not been provided regularly to the Management Committee.

(1) For the three months ended March 31, 2017

<i>(In millions of Korean won)</i>	DS						Intercompany elimination within the Group	Consolidated
	CE	IM	Total ¹	Semi-conductor	DP	Total ¹		
Total segment revenue	23,658,113	48,441,473	45,830,090	29,499,953	15,287,585	119,738,263	(69,190,737)	50,547,526
Intercompany revenue	(13,322,409)	(24,943,118)	(22,981,482)	(13,839,526)	(7,995,300)	(69,190,737)	69,190,737	-
Net revenue ²	10,335,704	23,498,355	22,848,608	15,660,427	7,292,285	50,547,526	-	50,547,526
Depreciation	147,051	327,982	4,189,016	3,103,079	1,030,389	4,769,499	-	4,769,499
Amortization	15,701	39,390	251,855	216,915	30,448	371,959	-	371,959
Operating profit	380,061	2,065,338	7,591,995	6,313,995	1,304,949	9,898,361	-	9,898,361

¹ Includes other amounts not included in specific operating segments.

² Segment net revenue includes intersegment revenues.

(2) For the three months ended March 31, 2016

<i>(In millions of Korean won)</i>	DS						Intercompany elimination within the Group	Consolidated
	CE ³	IM	Total ¹	Semi-conductor	DP	Total ¹		
Total segment revenue	24,945,442	58,034,228	35,047,076	21,887,718	12,234,317	119,637,273	(69,855,021)	49,782,252
Intercompany revenue	(14,871,803)	(30,434,291)	(17,871,564)	(10,735,777)	(6,198,710)	(69,855,021)	69,855,021	-
Net revenue ²	10,073,639	27,599,937	17,175,512	11,151,941	6,035,607	49,782,252	-	49,782,252
Depreciation	135,419	335,488	4,425,913	3,247,596	1,123,215	5,121,375	-	5,121,375
Amortization	17,595	43,331	234,440	196,602	33,739	346,944	-	346,944
Operating profit	502,935	3,894,157	2,327,166	2,631,580	(265,219)	6,675,812	-	6,675,812

¹ Includes other amounts not included in specific operating segments.

² Segment net revenue includes intersegment revenues.

³ CE is restated in correspondence to the reclassification of the Printing Solutions business segment, in which the composition of reportable segment has been changed from CE to others.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(B) Regional information

The regional segment information provided to the Management Committee for the reportable segments as at and for the three months ended March 31, 2017 and 2016, is as follows:

(1) For the three months ended March 31, 2017

<i>(In millions of Korean won)</i>	Korea	America	Europe	Asia and Africa	China	Intercompany elimination within the Group	Consolidated
Net segment revenue	5,897,439	15,384,428	9,281,196	10,645,980	9,338,483	-	50,547,526
Non-current assets ¹	72,852,400	17,315,395	738,074	9,989,933	9,968,970	(558,983)	110,305,789

¹ Total of non-current assets other than financial instruments, deferred tax assets, and investments in associates and joint ventures.

(2) For the three months ended March 31, 2016

<i>(In millions of Korean won)</i>	Korea	America	Europe	Asia and Africa	China	Intercompany elimination within the Group	Consolidated
Net segment revenue	5,257,790	15,973,612	9,744,135	10,602,171	8,204,544	-	49,782,252
Non-current assets ¹	63,166,180	7,041,671	734,836	7,906,038	12,682,538	(590,885)	90,940,378

¹ Total of non-current assets other than financial instruments, deferred tax assets, and investments in associates and joint ventures.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

26. Related Party Transactions

(A) Sale and purchase transactions

Sale and purchase transactions with related parties for the three months ended March 31, 2017 and 2016, are as follows:

		2017			
<i>(In millions of Korean won)</i>	Name of Company ¹	Sales	Disposal of fixed assets	Purchases	Purchase of fixed assets
Associates and Joint ventures	Samsung SDS	₩ 22,853	₩ -	₩ 425,139	₩ 65,017
	Samsung Electro-Mechanics	16,435	-	527,080	-
	Samsung SDI ²	25,767	-	241,148	3,647
	Cheil Worldwide ³	9,632	-	122,581	667
	Other	118,776	-	1,989,777	46,730
	Total (Associates and Joint ventures)	₩ 193,463	₩ -	₩3,305,725	₩ 116,061
Other related parties	Samsung C&T	₩ 49,706	₩ 68	₩ 69,839	₩ 531,208
	Other	37,604	35	211,202	39,281
	Total (Other related parties)	₩ 87,310	₩ 103	₩ 281,041	₩ 570,489
Others ⁴	Samsung Engineering	₩ 1,715	₩ -	₩ 3,860	₩ 380,680
	S-1	8,491	-	81,826	11,395
	Other	17,113	-	22,214	-
	Total (Others)	₩ 27,319	₩ -	₩ 107,900	₩ 392,075

¹ Transactions with separate entities that are related parties of the Group.

² For the year ended December 31, 2016, Samsung SDI was included in associates as the Group's ownership of ordinary shares outstanding was increased.

³ For the year ended December 31, 2016, Cheil Worldwide was included in associates due to acquisition of shares.

⁴ Although these entities are not related parties of the Group in accordance with Korean IFRS 1024, they belong to same enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

		2016			
<i>(In millions of Korean won)</i>	Name of Company ¹	Sales	Disposal of fixed assets	Purchases	Purchase of fixed assets
Associates and Joint ventures	Samsung SDS	₩ 14,786	₩ -	₩ 356,607	₩ 32,752
	Samsung Electro-Mechanics	11,219	-	681,842	-
	Other	63,112	-	1,248,984	61,923
	Total (Associates and Joint ventures)	₩ 89,117	₩ -	₩2,287,433	₩ 94,675
Other related parties	Samsung C&T	₩ 7,377	₩ 74	₩ 52,252	₩ 436,355
	Samsung SDI	24,900	-	305,885	1,073
	Other	25,245	-	311,040	125,815
	Total (Other related parties)	₩ 57,522	₩ 74	₩ 669,177	₩ 563,243
Others ²	Samsung Engineering	₩ 5,934	₩ -	₩ 2,608	₩ 596,954
	S-1	9,529	-	76,147	2,336
	Other	18,785	70	156,309	61
	Total (Others)	₩ 34,248	₩ 70	₩ 235,064	₩ 599,351

¹ Transactions with separate entities that are related parties of the Group.

² Although these entities are not related parties of the Group in accordance with Korean IFRS 1024, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(B) Balances of receivables and payables

Balances of receivables and payables arising from sales and purchases of goods and services as of March 31, 2017 and December 31, 2016, are as follows:

<i>(In millions of Korean won)</i>	Name of Company ¹	March 31, 2017	
		Receivables	Payables
Associates and Joint ventures	Samsung SDS	₩ 19,747	₩ 358,443
	Samsung Electro-Mechanics	9,683	250,656
	Samsung SDI ²	101,225	89,905
	Cheil Worldwide ³	8,912	280,546
	Other	146,369	802,022
	Total (Associates and Joint ventures)	₩ 285,936	₩ 1,781,572
Other related parties	Samsung C&T	₩ 249,203	₩ 294,708
	Other	24,497	1,099,230
	Total (Other related parties)	₩ 273,700	₩ 1,393,938
Others ⁴	Samsung Engineering	₩ 4,164	₩ 73,674
	S-1	5,207	35,338
	Other	4,007	19,885
	Total (Others)	₩ 13,378	₩ 128,897

¹ Balances due from and to separate entities that are related parties of the Group.

² For the year ended December 31, 2016, Samsung SDI was included in associates as the Group's ownership of ordinary shares outstanding was increased.

³ For the year ended December 31, 2016, Cheil Worldwide was included in associates due to acquisition of shares.

⁴ Although these entities are not related parties of the Group in accordance with Korean IFRS 1024, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

<i>(In millions of Korean won)</i>	Name of Company ¹	December 31, 2016	
		Receivables	Payables
Associates and Joint ventures	Samsung SDS	₩ 5,709	₩ 362,062
	Samsung Electro-Mechanics	1,143	108,469
	Samsung SDI ²	89,721	76,211
	Cheil Worldwide ³	456	436,624
	Other	210,891	784,475
	Total (Associates and Joint ventures)	₩ 307,920	₩ 1,767,841
Other related parties	Samsung C&T	₩ 231,089	₩ 435,505
	Other	31,752	1,932,924
	Total (Other related parties)	₩ 262,841	₩ 2,368,429
Others ⁴	Samsung Engineering	₩ 10,664	₩ 115,726
	S-1	4,160	47,098
	Other	3,058	28,841
	Total (Others)	₩ 17,882	₩ 191,665

¹ Balances due from and to separate entities that are related parties of the Group.

² For the year ended December 31, 2016, Samsung SDI was included in associates as the Group's ownership of ordinary shares outstanding was increased.

³ For the year ended December 31, 2016, Cheil Worldwide was included in associates due to acquisition of shares.

⁴ Although these entities are not related parties of the Group in accordance with Korean IFRS 1024, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

(C) For the three months ended March 31, 2017, the Group invested ₩4,160 million in associates and joint ventures. For the three months ended March 31, 2016 the Group invested ₩4,848 million in associates and joint ventures.

(D) For the three months ended March 31, 2017, the Group declared ₩661,516 million of dividends (For the three months ended March 31, 2016: ₩481,270 million) to related parties. As at March 31, 2017, ₩661,516 million of dividends are remained as unpaid (As at December 31, 2016, there are no unpaid dividends to related parties). Also, for the three months ended March 31, 2017, the Group declared ₩51,050 million of dividends (For the three months ended March 31, 2016: ₩37,127 million) to the entities that are not related parties of the Group in accordance with Korean IFRS 1024, but belong to the same conglomerate according to the Monopoly Regulation and Fair Trade Act. As at March 31, 2017, ₩51,050 million of dividends are remained as unpaid (As at December 31, 2016, there are no unpaid dividends to these entities).

(E) Key management compensation

Key management includes directors (executive and non-executive) and members of the Executive Committee. The compensation paid or payable for employee services for the three months ended March 31, 2017 and 2016 consists of:

<i>(In millions of Korean won)</i>	2017		2016	
Salaries and other short-term employee benefits	₩	2,445	₩	2,458
Termination benefits		198		160
Other long-term benefits		2,154		2,079

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

27. Business Combination

Significant business combination for the three months ended March 31, 2017 are as follow:

To strengthen automotive electronics and audio business, Samsung Electronics America, the Group's subsidiary, acquired 100% of the equity shares of Harman and its subsidiaries on March 10, 2017.

(1) Overview of the acquired company

Name of the acquired company	Harman International Industries, Inc. and 109 subsidiaries
Headquarters location	Stamford, CT, USA
Representative director	Dinesh Paliwal
Industry	Design, development, manufacture and sale of audio and video system components

(2) Purchase price allocation

<i>(In millions of Korean Won)</i>	Amount
I. Consideration transferred	₩ 9,272,702
II. Identifiable assets and liabilities	
Cash and cash equivalents	647,729
Trade and other receivables	1,533,437
Inventory	1,068,865
Property, plant and equipment	858,790
Intangible assets	5,564,309
Other assets	902,824
Trade and other payables	3,436,020
Deferred tax liabilities	1,442,527
Other liabilities	873,637
Total net identifiable assets	4,823,770
III. Goodwill (I – II)	₩ 4,448,932

Had Harman and the subsidiaries been consolidated from January 1, 2017, ₩2,015,773 million of revenues and ₩28,721 million of net income would be included on the interim consolidated statement of income. The revenue and net income contributed by Harman and the subsidiaries since acquisition amount to ₩537,749 million and ₩24,449 million, respectively.

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

28. Non-current Assets and Liabilities Held-for-Sale (Assets of disposal group)

(A) Summary

- Sale of Printing Solutions business segment

For the year ended December 31, 2016, the management of the Group decided to sell Printing Solutions business segment to HP Inc. The contract was entered into on September 12, 2016, and the transaction is expected to be completed within 1 year through the due diligence.

(B) Details of assets and liabilities reclassified as held-for-sale, as at March 31, 2017 and December 31, 2016 are as follows:

<i>(In millions of Korean Won)</i>	March 31, 2017		December 31, 2016	
Assets held-for-sale				
Trade receivables	₩	188,200	₩	182,738
Inventories		257,991		270,642
Other current assets		100,315		115,037
Property, plant and equipment		84,838		84,869
Intangible assets		122,603		124,571
Other non-current assets		46,836		57,949
Total	₩	800,783	₩	835,806
Liabilities held-for-sale				
Current liabilities	₩	288,141	₩	272,726
Non-current liabilities		84,932		83,662
Total	₩	373,073	₩	356,388

(C) Details of cumulative income or expense recognized in other comprehensive income relating to the disposal group classified as held-for-sale as at March 31, 2017 and December 31, 2016 are as follows:

<i>(In millions of Korean won)</i>	March 31, 2017		December 31, 2016	
Remeasurement of net defined benefit liabilities	₩	(2,669)	₩	-
Foreign currency translation		(11,116)		(28,810)
Total	₩	(13,815)	₩	(28,810)

Samsung Electronics Co., Ltd. and its Subsidiaries

NOTES TO INTERIM CONSOLIDATED FINANCIAL STATEMENTS

29. Events after the Reporting Period

According to the resolution of the board of directors on January 24, 2017, the Group repurchased 1.275 million shares (ordinary shares 1.02 million, preference shares 0.255 million) at cost of ₩2,452,945 million from January 25, 2017 to April 10, 2017. All repurchased shares were retired in April.

According to the resolution of the board of directors on April 27, 2017, the Group decided the share buyback and retirement of ordinary and preferred shares. Estimated total number of shares to be repurchased is 1.125 million (ordinary shares 0.9 million, preferred shares 0.225 million) and the period of repurchase will be expected to end on July 27, 2017. All repurchased shares will be retired.

Also, according to the resolution of the board of directors on April 27, 2017, 10,605,690 shares of treasury shares (ordinary shares 8,990,843, preference shares 1,614,847) will be retired in May which are 50% of the total treasury shares(acquisition cost: ₩4,875,163 million) as at April 27, 2017.