SK TELECOM CO., LTD.

Condensed Separate Interim Financial Statements

(Unaudited)

September 30, 2019 and 2018

(With Independent Auditors' Review Report Thereon)

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Independent Auditors' Review Report

Based on a report originally issued in Korean

To the Board of Directors and Shareholders SK Telecom Co., Ltd.:

Reviewed financial statements

We have reviewed the accompanying condensed separate interim financial statements of SK Telecom Co., Ltd. (the "Company"), which comprise the condensed separate statement of financial position as of September 30, 2019, the condensed separate statements of income and comprehensive income for the three-month and nine-month periods ended September 30, 2019 and 2018, the condensed separate statement of changes in equity and cash flows for the nine-month periods ended September 30, 2019 and 2018, 2019 and 2018, and notes, comprising a summary of significant accounting policies and other explanatory information.

Management's responsibility

Management is responsible for the preparation and fair presentation of these condensed separate interim financial statements in accordance with Korean International Financial Reporting Standards ("K-IFRS") No. 1034, *Interim Financial Reporting*, and for such internal controls as management determines is necessary to enable the preparation of condensed separate interim financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' review responsibility

Our responsibility is to issue a report on these condensed separate interim financial statements based on our reviews.

We conducted our reviews in accordance with the Review Standards for Quarterly and Semiannual Financial Statements established by the Securities and Futures Commission of the Republic of Korea. A review of interim financial information consists principally of making inquiries, primarily of persons responsible for financial and accounting matters, and applying analytical and other review procedures. A review is substantially less in scope than an audit conducted in accordance with Korean Standards on Auditing and consequently does not enable us to obtain assurance that we would become aware of all significant matters that might be identified in an audit. Accordingly, we do not express an audit opinion.

Conclusion

Based on our reviews, nothing has come to our attention that causes us to believe that the accompanying condensed separate interim financial statements referred to above are not prepared fairly, in all material respects, in accordance with K-IFRS No. 1034, *Interim Financial Reporting*.

Emphasis of matter

As a matter that does not have an impact on our review conclusion, we draw attention to the matter described in Note 3 to the condensed separate interim financial statements. The Company has initially adopted K-IFRS No. 1116 for the year beginning on January 1, 2019, and the Company has taken an exemption not to restate the condensed separate financial statements as of December 31, 2018 or for the three-month and nine-month period ended September 30, 2018, presented for comparative purposes, in accordance with transition requirements of the standards. The financial impacts of applying K-IFRS No. 1116 are discussed in Note 3.

Other matters

The separate statement of financial position of the Company as of December 31, 2018, and the related separate statements of income, comprehensive income, changes in equity and cash flows for the year then ended, which are not accompanying this report, were audited by us in accordance with Korean Standards on Auditing and our report thereon, dated February 28, 2019, expressed an unqualified opinion. The accompanying condensed separate statement of financial position of the Company as of December 31, 2018, presented for comparative purposes, is consistent, in all material respects, with the audited separate financial statements from which it has been derived.

The procedures and practices utilized in the Republic of Korea to review such condensed separate interim financial statements may differ from those generally accepted and applied in other countries.

KPMG Samjong Accounting Corp. Seoul, Korea November 13, 2019

This report is effective as of November 13, 2019, the review report date. Certain subsequent events or circumstances, which may occur between the review report date and the time of reading this report, could have a material impact on the accompanying condensed separate interim financial statements and notes thereto. Accordingly, the readers of the review report should understand that the above review report has not been updated to reflect the impact of such subsequent events or circumstances, if any.

SK TELECOM CO., LTD. Condensed Separate Statements of Financial Position

As of September 30, 2019 and December 31, 2018

(In millions of won)

	Note	September 30, 2019	December 31, 2018
Assets			
Current Assets:			
Cash and cash equivalents	25,26	₩ 258,133	877,823
Short-term financial instruments	25,26	169,000	99,000
Short-term investment securities	7,25,26	48,226	47,849
Accounts receivable – trade, net	4,25,26,27	1,488,382	1,354,260
Short-term loans, net	4,25,26,27	68,413	54,336
Accounts receivable – other, net	3,4,25,26,27,28	608,617	518,451
Contract assets	6	3,119	1,689
Prepaid expenses	3,5	1,895,019	1,688,234
Inventories, net		21,146	22,079
Prepaid income taxes	23	63,814	-
Derivative financial assets	25,26	36,897	-
Advanced payments and others	4,25,26	93,832	15,657
		4,754,598	4,679,378
Non-Current Assets:			
Long-term financial instruments	25.26	382	382
Long-term investment securities	25,26		
-	7,25,26	183,718	410,672
Investments in subsidiaries, associates and	0	10 582 202	10 100 014
joint ventures	8	10,583,292	10,188,914
Property and equipment, net Goodwill	3,9,27	7,600,622	6,943,490
	2.40	1,306,236 3,516,538	1,306,236 4,010,864
Intangible assets, net Long-term loans, net	3,10		4,010,884 7,236
Long-term accounts receivable – other	4,25,26,27	7,903 533,909	274,053
Long-term contract assets	3,4,25,26,28	10,368	5,842
Long-term prepaid expenses	6 3,5	1,108,187	753,181
Guarantee deposits	3,5 4,25,26,27	1,108,187	184,887
Long-term derivative financial assets		139,657	50,805
Defined benefit assets	25,26 14	139,037	31,834
Other non-current assets	14	249	249
Other non-current assets		25,178,790	24,168,645
Total Assets	¥	¥ 29,933,388	28,848,023

SK TELECOM CO., LTD. Condensed Separate Statements of Financial Position, Continued

As of September 30, 2019 and December 31, 2018

(In millions of won)

	Note	September 30, 2019	December 31, 2018
Liabilities and Shareholders' Equity			
Current Liabilities:			
Accounts payable – other	25,26,27 ₩	1,870,939	1,622,744
Contract liabilities	6	67,772	46,075
Withholdings	25,26	660,119	696,790
Accrued expenses	25,26	766,087	664,286
Income tax payable	23	-	162,609
Provisions	13	48,608	49,303
Current installments of long-term debt, net	11,25,26	593,886	512,377
Lease liabilities	3,25,26,27	215,739	-
Current installments of long-term payables – other	12,25,26	422,117	423,884
	-	4,645,267	4,178,068
Non-Current Liabilities:			
Debentures, excluding current installments, net	11,25,26	5,639,891	5,222,865
Long-term borrowings, excluding current installments,			
net	11,25,26	27,336	31,764
Long-term payables – other	12,25,26	1,538,937	1,939,082
Long-term contract liabilities	6	14,139	8,358
Long-term derivative financial liabilities	25,26	-	1,107
Long-term lease liabilities	3,25,26,27	228,678	-
Long-term provisions	13	16,262	12,483
Deferred tax liabilities	3,23	663,105	523,732
Defined benefit liabilities	14	318	-
Other non-current liabilities	25,26	43,369	43,077
	-	8,172,035	7,782,468
Total Liabilities	-	12,817,302	11,960,536
Shareholders' Equity:			
Share capital	1,15	44,639	44,639
Capital surplus and others	15,16	415,552	415,324
Retained earnings	3,17	16,708,070	16,467,789
Reserves	18	(52,175)	(40,265)
Total Shareholders' Equity	-	17,116,086	16,887,487
Total Liabilities and Shareholders' Equity	₩_	29,933,388	28,848,023

SK TELECOM CO., LTD. Condensed Separate Statements of Income

For the three and nine-month periods ended September 30, 2019 and 2018

(In millions of won)

		2019		201	2018			
		Three-month period ended	Nine-month period ended	Three-month period ended	Nine-month period ended			
_	Note	September 30	September 30	September 30	September 30			
Operating revenue:	10.27							
Revenue	19,27 ₩	2,911,550	8,571,475	2,925,572	8,855,945			
Revenue		2,311,330	0,07 1,470	2,323,372	0,000,040			
Operating expenses:	27							
Labor		194,454	578,501	174,779	508,487			
Commissions		1,156,371	3,321,847	1,112,744	3,331,204			
Depreciation and amortization	3	680,737	1,967,750	578,269	1,759,703			
Network interconnection		137,540	419,686	162,286	491,913			
Leased line		54,823	158,437	70,146	208,975			
Advertising		36,014	93,663	43,678	107,644			
Rent	3	55,541	168,205	108,978	331,560			
Cost of goods sold		105,114	326,304	126,474	383,169			
Others	20	238,195	703,361	237,578	685,114			
		2,658,789	7,737,754	2,614,932	7,807,769			
Operating profit		252,761	833,721	310,640	1,048,176			
Finance income	22	18,278	566,621	34,427	241,720			
Finance costs	3,22	(65,056)	(197,926)	(59,087)	(198,989)			
Other non-operating income	21	4,848	12,317	2,573	19,067			
Other non-operating expenses	21	(7,865)	(32 <i>,</i> 557)	(25 <i>,</i> 650)	(73,654)			
Loss on investments in				(((0 0)			
subsidiaries and associates	8	-		(12,977)	(12,977)			
Profit before income tax		202,966	1,182,176	249,926	1,023,343			
Income tax expense	23	41,878	215,081	66,604	255,808			
Profit for the period	W	161,088	967,095	183,322	767,535			
Earnings per share:	24							
Basic and diluted earnings per share								
(in won)	₩	2,190	13,302	2,544	10,699			
	••	2,100	13,302	2,344	10,000			

SK TELECOM CO., LTD. Condensed Separate Statements of Comprehensive Income

For the three and nine-month periods ended September 30, 2019 and 2018

(In millions of won)

		201	.9	2018		
	Note	Three-month period ended September 30	Nine-month period ended September 30	Three-month period ended September 30	Nine-month period ended September 30	
Profit for the period	₩	161,088	967,095	183,322	767,535	
Other comprehensive income (loss): Items that will never be reclassified to profit or loss, net of taxes: Remeasurement of defined						
benefit liabilities Valuation loss on financial assets at fair value through other	14	(395)	(1,886)	(85)	(4,150)	
comprehensive income Items that are or may be reclassified subsequently to profit or loss, net of taxes: Net change in unrealized fair value	18	(5,449)	(12,707)	(184)	(40,911)	
of derivatives	18 	9,254	30,871	(4,248)	(14,254)	
Other comprehensive income (loss) for period, net of taxes	or the	3,410	16,278	(4,517)	(59,315)	
Total comprehensive income	₩_	164,498	983,373	178,805	708,220	

SK TELECOM CO., LTD. Condensed Separate Statements of Changes in Equity

For the nine-month periods ended September 30, 2019 and 2018

(In millions of won)

(In millions of won)					Capital	surplus and othe	ers					
	Note		Share capital	Paid-in surplus	Treasury shares	Hybrid bonds	Share option	Other	Sub-total	Retained earnings	Reserves	Total equity
Balance, December 31, 2017		₩	44,639	2,915,887	(2,260,626)	398,518	414	(682,298)	371,895	14,512,556	78,301	15,007,391
Impact of adopting K-IFRS No. 1115			-	-	-	-	-	-	-	1,723,985	-	1,723,985
Impact of adopting K-IFRS No. 1109			-	-	-	-	-	-	-	49,611	(58,389)	(8,778)
Restated balance, January 1, 2018		₩	44,639	2,915,887	(2,260,626)	398,518	414	(682,298)	371,895	16,286,152	19,912	16,722,598
Total comprehensive income:												
Profit for the period			-	-	-	-	-	-	-	767,535	-	767,535
Other comprehensive loss	14,18		-	-	-	-	-	-	-	(18,166)	(41,149)	(59,315)
			-		-	-				749,369	(41,149)	708,220
Transactions with owners:					· ·					·		· · ·
Annual dividends			-	-	-	-	-	-	-	(635,482)	-	(635,482)
Interim dividends			-	-	-	-	-	-	-	(70,609)	-	(70,609)
Share option	16		-	-	-	-	441	-	441	-	-	441
Interest on hybrid bonds			-	-	-	-	-	-	-	(12,111)	-	(12,111)
Repayments of hybrid bonds			-	-	-	(398,518)	-	(1,482)	(400,000)		-	(400,000)
Proceeds from issuance of hybrid bonds			-	-	-	398,759	-	-	398,759	-	-	398,759
			-			241	441	(1,482)	(800)	(718,202)	-	(719,002)
Balance, September 30, 2018		₩	44,639	2,915,887	(2,260,626)	398,759	855	(683,780)	371,095	16,317,319	(21,237)	16,711,816
Balance, December 31, 2018		₩	44,639	2,915,887	(1,979,475)	398,759	1,007	(920,854)	415,324	16,467,789	(40,265)	16,887,487
Impact of adopting K-IFRS No. 1116	3		-	-	-	-	-	-	-	(25,229)	-	(25,229)
Restated balance, January 1, 2019		₩	44,639	2,915,887	(1,979,475)	398,759	1,007	(920,854)	415,324	16,442,560	(40,265)	16,862,258
Total comprehensive income:			,	,,	()	,		(, ,	-,-	-, ,	(-,,	-,,
Profit for the period			-	-	-	-	-	-	-	967,095	-	967,095
Other comprehensive income (loss)	14,18		-	-	-	-	-	-	-	28,188	(11,910)	16,278
	,		-		-	-		-		995,283	(11,910)	983,373
Transactions with owners:					· ·							
Annual dividends			-	-	-	-	-	-	-	(646,828)	-	(646,828)
Interim dividends			-	-	-	-	-	-	-	(71,870)	-	(71,870)
Share option	16		-	-	-	-	228	-	228	-	-	228
Interest on hybrid bonds			-	-	-	-	-	-	-	(11,075)	-	(11,075)
			-			-	228	-	228	(729,773)		(729,545)
Balance, September 30, 2019		14/	44,639	2,915,887	(1,979,475)	398,759	1,235	(920,854)	415,552	16,708,070	(52,175)	17,116,086

SK TELECOM CO., LTD. Condensed Separate Statements of Changes in Equity

For the nine-month periods ended September 30, 2019 and 2018

SK TELECOM CO., LTD. Condensed Separate Statements of Cash Flows

For the nine-month periods ended September 30, 2019 and 2018

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(In	millions	of won)

	Note	September 30, 2019	September 30, 2018
Cash flows from operating activities:			
Cash generated from operating activities:			
Profit for the period	₩	¥ 967,095	767,535
Adjustments for income and expenses	29	1,978,804	2,166,079
Changes in assets and liabilities related to operating			
activities	29	(840,155)	(230,110)
		2,105,744	2,703,504
Interest received		20,866	25,280
Dividends received		514,399	176,030
Interest paid		(172,735)	(142,482)
Income tax paid		(309,778)	(372,005)
Net cash provided by operating activities		2,158,496	2,390,327
Cash flows from investing activities:			
Cash inflows from investing activities:			
Decrease in short-term financial instruments, net		-	15,000
Collection of short-term loans		57,053	154,579
Proceeds from disposal of long-term investment securities		221,656	185,142
Proceeds from disposal of investments in subsidiaries and			
associates		-	10,429
Proceeds from disposal of property and equipment		7,514	6,749
Proceeds from disposal of intangible assets		3,836	145
Collection of lease receivables		10,884	
		300,943	372,044
Cash outflows for investing activities:			
Increase in short-term financial instruments, net		(70,000)	-
Increase in short-term loans		(71,946)	(165,842)
Acquisition of long-term investment securities		(13,804)	(990)
Acquisition of investments in subsidiaries,			
associates, and joint ventures		(375,339)	(323,112)
Acquisition of property and equipment		(1,563,173)	(1,304,941)
Acquisition of intangible assets		(24,632)	(21,415)
		(2,118,894)	(1,816,300)
Net cash used in investing activities	₩	↓ (1,817,951)	(1,444,256)

SK TELECOM CO., LTD. Condensed Separate Statements of Cash Flows, Continued

For the nine-month periods ended September 30, 2019 and 2018

(In millions of won)

	Note	September 30, 2019	September 30, 2018
Cash flows from financing activities:			
Cash inflows from financing activities:			
Proceeds from issuance of hybrid bonds	₩	- √	398,759
Proceeds from issuance of debentures		796,768	1,326,346
Cash inflows from settlement of derivatives		11,931	-
		808,699	1,725,105
Cash outflows for financing activities:			
Repayments of long-term borrowings		(6,441)	(6,200)
Repayments of hybrid bonds		-	(400,000)
Repayments of long-term payables – other		(425,349)	(302,867)
Repayments of debentures		(390,000)	(1,036,550)
Payments of cash dividends		(718,698)	(706,091)
Payments of interest on hybrid bonds		(11,075)	(12,111)
Cash outflows from settlement of derivatives		-	(29,213)
Repayments of lease liabilities		(217,372)	-
		(1,768,935)	(2,493,032)
Net cash used in financing activities		(960,236)	(767,927)
Net increase (decrease) in cash and cash equivalents		(619,691)	178,144
Cash and cash equivalents at beginning of the period		877,823	880,583
Effects of exchange rate changes on cash and cash		,	,
equivalents		1	(280)
Cash and cash equivalents at end of the period	¥	∉ 258,133	1,058,447

For the nine-month periods ended September 30, 2019 and 2018

1. Reporting Entity

SK Telecom Co., Ltd. ("the Company") was incorporated in March 1984 under the laws of the Republic of Korea ("Korea") to provide cellular telephone communication services in Korea. The Company mainly provides wireless telecommunications services in Korea. The head office of the Company is located at 65, Eulji-ro, Jung-gu, Seoul, Korea.

The Company's common shares and depositary receipts (DRs) are listed on the Stock Market of Korea Exchange, the New York Stock Exchange and the London Stock Exchange. As of September 30, 2019, the Company's total issued shares are held by the following shareholders:

	Number of shares	Percentage of total shares issued (%)
SK Holdings Co., Ltd.	21,624,120	26.78
National Pension Service, institutional investors and other		
shareholders	50,245,708	62.23
Treasury shares	8,875,883	10.99
	80,745,711	100.00

2. Basis of Preparation

(1) Statement of compliance

These condensed separate interim financial statements were prepared in accordance with K-IFRS No. 1034, *Interim Financial Reporting*, as part of the period covered by the Company's K-IFRS annual financial statements. Selected explanatory notes are included to explain events and transactions that are significant to an understanding of the changes in financial position and performance of the Company since December 31, 2018. These condensed separate interim financial statements do not include all of the disclosures required for full annual financial statements.

These condensed interim financial statements are separate interim financial statements prepared in accordance with K-IFRS No.1027, *Separate Financial Statements*, presented by a parent, an investor with joint control of, or significant influence over, an investee, in which the investments are accounted for at cost.

The Company's applied K-IFRS No.1116, *Leases*, effective January 1, 2019. Changes to significant accounting policies are described in note 3.

(2) Use of estimates and judgments

1) Critical judgments, assumptions and estimation uncertainties

The preparation of the condensed separate interim financial statements in conformity with K-IFRS requires management to make judgments, estimates and assumptions that affect the application of accounting policies and the reported amounts of assets, liabilities, income and expenses. Actual results may differ from these estimates.

In preparing these condensed separate interim financial statements, the significant judgments made by management in applying the Company's accounting policies and the key sources of estimation uncertainty were the same as those that applied to the financial statements as of and for the year ended December 31, 2018 except significant judgments and key sources of estimation uncertainty related to the K-IFRS No. 1116, *Leases*, that are described in note 3.

For the nine-month periods ended September 30, 2019 and 2018

2. Basis of Preparation, Continued

(2) Use of estimates and judgments, Continued

2) Fair value measurement

A number of the Company's accounting policies and disclosures require the measurement of fair values, for both financial and non-financial assets and liabilities. The Company has established policies and processes with respect to the measurement of fair values including Level 3 fair values, and the measurement of fair values is reviewed and is directly reported to the finance executives.

The Company regularly reviews significant unobservable inputs and valuation adjustments. If third party information, such as broker quotes or pricing services, is used to measure fair values, then the Company assesses the evidence obtained from the third parties to support the conclusion that such valuations meet the requirements of K-IFRS, including the level in the fair value hierarchy in which such valuations should be classified.

When measuring the fair value of an asset or a liability, the Company uses market observable data as far as possible. Fair values are categorized into different levels in a fair value hierarchy based on the inputs used in the valuation techniques as follows:

- ✓ Level 1: quoted prices (unadjusted) in active markets for identical assets or liabilities;
- ✓ Level 2: inputs other than quoted prices included in Level 1 that are observable for the asset or liability, either directly (i.e. as prices) or indirectly (i.e. derived from prices); and
- ✓ Level 3: inputs for the asset or liability that are not based on observable market data (unobservable inputs).

If the inputs used to measure the fair value of an asset or a liability fall into different levels of the fair value hierarchy, then the fair value measurement is categorized in its entirety in the same level of the fair value hierarchy as the lowest level input that is significant to the entire measurement. The Company recognizes transfers between levels of the fair value hierarchy at the end of the reporting period during which the change has occurred.

Information about assumptions used for fair value measurements are included in note 26.

For the nine-month periods ended September 30, 2019 and 2018

3. Significant Accounting Policies

The significant accounting policies applied by the Company in these condensed separate interim financial statements are the same as those applied by the Company in its separate financial statements as of and for the year ended December 31, 2018, except for the following changes in accounting policies described below. The following changes in accounting policies are also expected to be reflected in the Company's separate financial statements as at and for the year ending December 31, 2019.

(1) Changes in accounting policies

The Company has initially adopted K-IFRS No. 1116 from January 1, 2019. A number of other amended standards are effective from January 1, 2019, but they do not have a material effect on the Company's condensed separate interim financial statements.

1) K-IFRS No. 1116, Leases

K-IFRS No. 1116 introduced a single, on-balance sheet accounting model for lessees. As a result, the Company, as a lessee, has recognized right-of-use assets representing its rights to use the underlying assets and lease liabilities representing its obligation to make lease payments. Lessor accounting remains similar to previous accounting policies.

The Company has applied K-IFRS No. 1116 from January 1, 2019 using the cumulative effect method with the effect of initially applying this standard as an adjustment to the opening balance of retained earnings as at January 1, 2019. Accordingly, the comparative information presented for 2018 has been presented, as previously reported, under K-IFRS No. 1017 and has not been restated. Details of the changes in accounting policies are disclosed below.

i) Definition of a lease

Previously, the Company determined at contract inception whether an arrangement was or contained a lease under K-IFRS No. 2104, *Determining Whether an Arrangement Contains a Lease*. The Company now assesses whether a contract is or contains a lease based on the new definition of a lease. Under K-IFRS No. 1116, a contract is or contains a lease if the contract conveys a right to control the use of an identified asset for a period of time in exchange for consideration.

ii) As a lessee

The Company leases a number of assets including buildings and vehicles. The terms of leases are negotiated individually and include various conditions. Each lease contract is entered into with a term of 1~50 years.

As a lessee, the Company previously classified leases as operating or finance leases based on its assessment of whether the lease transferred substantially all of the risks and rewards of ownership. Under K-IFRS No. 1116, the Company recognizes right-of-use assets and lease liabilities for most leases – i.e. theses leases are presented on the statements of financial position.

However, the Company has elected not to recognize right-of-use assets and lease liabilities for some leases with terms less than 12 months or leases of low-value assets. The Company recognizes the lease payments associated with these leases as an expense on a straight-line basis over the lease term.

For the nine-month periods ended September 30, 2019 and 2018

3. Significant Accounting Policies, Continued

- (1) Changes in accounting policies, Continued
 - 1) K-IFRS No. 1116, *Leases*, Continued
 - ii) As a lessee, Continued

The Company has also elected to apply the practical expedient not to separate non-lease components and instead account for the lease and non-lease components as a single lease component.

1 Significant accounting policies

The Company recognizes a right-of-use asset and a lease liability at the lease commencement date. The rightof-use asset is initially measured at cost, and subsequently at cost less any accumulated depreciation and impairment losses and adjusted for certain remeasurements of the lease liability. The Company presents its right-of-use assets in Property and equipment on the statements of financial position.

The lease liability is initially measured at the present value of the lease payments that are not paid at the commencement date, discounted using the interest rate implicit in the lease or, if that rate cannot be readily determined, the Company's incremental borrowing rate. Generally, the Company uses its incremental borrowing rate as the discount rate.

The lease liability is subsequently increased by the interest cost on the lease liability and decreased by lease payment made. It is remeasured when there is a change in future lease payments arising from a change in an index or rate, a change in the estimate of the amount expected to be payable under a residual value guarantee, or as appropriate, changes in the assessment of whether a purchase or extension option is reasonably certain to be exercised or a termination option is reasonably certain not to be exercised.

The Company has applied judgment to determine the lease term for some lease contracts in which it is a lessee that include extension options. The assessment of whether the Company is reasonably certain to exercise such options impacts the lease term, which significantly affects the amount of lease liabilities and right-of-use assets recognized. The Company has not included the extension option periods in the lease term because it is not reasonably certain to exercise such options. After the commencement date, the Company reassesses the lease term upon the occurrence of a significant event or a significant change in circumstances that is within the control of the Company that affects whether the Company is reasonably certain to exercise the extension option.

For the nine-month periods ended September 30, 2019 and 2018

3. Significant Accounting Policies, Continued

- (1) Changes in accounting policies, Continued
 - 1) K-IFRS No. 1116, *Leases*, Continued
 - ii) As a lessee, Continued
 - (2) Transition

At transition, lease liabilities were measured at the present value of the remaining lease payments, discounted at the Company's incremental borrowing rate as of January 1, 2019. Right-of-used assets are measured at their carrying amounts as if K-IFRS No. 1116 had been applied since the commencement date, discounted using the Company's incremental borrowing rate at the date of initial application.

The Company used the following practical expedients when applying K-IFRS No. 1116 to leases previously classified as operating leases under K-IFRS No. 1017.

- Excluded initial direct costs from measuring the right-of-use asset at the date of initial application.
- Used hindsight when determining the lease term if the contract contains options to extend or terminate the lease.
- iii) As a lessor

The accounting policies applicable to the Company as a lessor are not different from those under K-IFRS No. 1017. However, when the Company is an intermediate lessor the sub-leases are classified with reference to the right-of-use asset arising from the head lease, not with reference to the underlying asset.

- iv) Impacts on financial statements
- ① Impacts on transition

On transition to K-IFRS No. 1116, the Company recognized right-of-use assets and lease liabilities, with the difference recognized in retained earnings. The impacts on transition are summarized below.

(In millions of won)

		January 1, 2019
Impacts on the assets:		
Right-of-use assets presented in property and equipment	₩	416,552
Increase in accounts receivable – other (lease receivables)		17,203
Adjustments in intangible assets		(2,274)
Decrease in advanced payments and others		(53,608)
		377,873
Impacts on the liabilities:		
Increase in the lease liabilities		412,407
Decrease in deferred tax liabilities		(9,305)
		403,102
Decrease in retained earnings	₩	(25,229)

For the nine-month periods ended September 30, 2019 and 2018

3. Significant Accounting Policies, Continued

- (1) Changes in accounting policies, Continued
 - 1) K-IFRS No. 1116, Leases, Continued
 - iv) Impacts on financial statements, Continued
 - ① Impacts on transition, Continued

When measuring lease liabilities for leases that were classified as operating leases, the Company discounted lease payments using its incremental borrowing rate at January 1, 2019. The weighted average rate applied is 1.92%.

(In millions of won)

		January 1, 2019
Operating lease commitments at December 31, 2018	₩	428,142
Discounted using the incremental borrowing rate at January 1, 2019		419,141
- Recognition exemption for leases with less than 12 months of lease term		
at the lease commencement date		(6,617)
 Recognition exemption for leases of low-value assets 		(117)
Lease liabilities recognized at January 1, 2019	₩	412,407

② Impacts subsequent to adoption

As a result of initially applying K-IFRS No. 1116, in relation to the leases that were previously classified as operating leases the Company recognized W461,088 million of right-of-use assets and W444,417 million of lease liabilities as of September 30, 2019.

Also, in relation to those leases under K-IFRS No. 1116, the Company has recognized depreciation and interest costs, instead of operating lease expense. For the nine-month period ended September 30, 2019, the Company recognized W196,672 million of depreciation charges and W6,262 million of interest costs from those leases. Expenses related to short-term leases and leases of low-value assets are W56,666 million and W61 million, respectively.

The payments of lease liabilities presented in the cash flows from financing activities would have been included in the cash flows from operating activities if the previous accounting standards were applied.

For the nine-month periods ended September 30, 2019 and 2018

4. Trade and Other Receivables

(1) Details of trade and other receivables as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won)

(September 30, 2019				
	-	Gross amount	Loss allowance	Carrying amount	
Current assets:	-				
Accounts receivable – trade	₩	1,600,161	(111,779)	1,488,382	
Short-term loans		69,104	(691)	68,413	
Accounts receivable – other(*)		649,106	(40,489)	608,617	
Accrued income		581	-	581	
	_	2,318,952	(152,959)	2,165,993	
Non-current assets:					
Long-term loans		49,018	(41,115)	7,903	
Long-term accounts receivable – other(*)		533,909	-	533,909	
Guarantee deposits	_	187,729	-	187,729	
		770,656	(41,115)	729,541	
	₩	3,089,608	(194,074)	2,895,534	

(*) Gross and carrying amounts of accounts receivable – other as of September 30, 2019 include W812,991 million of financial instruments classified as FVTPL.

(In millions of won)

· · · · · · · · · · · · · · · · · · ·		December 31, 2018				
	_	Gross amount	Loss allowance	Carrying amount		
Current assets:	-					
Accounts receivable – trade	₩	1,474,102	(119,842)	1,354,260		
Short-term loans		54,885	(549)	54,336		
Accounts receivable – other(*)		568,878	(50,427)	518,451		
Accrued income		410	-	410		
	-	2,098,275	(170,818)	1,927,457		
Non-current assets:						
Long-term loans		48,344	(41,108)	7,236		
Long-term accounts receivable – other(*)		274,053	-	274,053		
Guarantee deposits	_	184,887		184,887		
	_	507,284	(41,108)	466,176		
	₩	2,605,559	(211,926)	2,393,633		

(*) Gross and carrying amounts of accounts receivable – other as of December 31, 2018 include W485,325 million of financial instruments classified as FVTPL.

For the nine-month periods ended September 30, 2019 and 2018

4. Trade and Other Receivables, Continued

(2) Changes in the loss allowance on trade and other receivables measured at amortized costs for the ninemonth periods ended September 30, 2019 and 2018 are as follows:

(Ir	n mi	llions	of	won)	
-----	------	--------	----	------	--

		January 1, 2019	Impairment	Write-offs(*)	Collection of receivables previously written-off	September 30, 2019
Accounts receivable – trade	₩	119,842	2,770	(18,407)	7,574	111,779
Accounts receivable – other		92,084	2,543	(19,078)	6,746	82,295
	₩	211,926	5,313	(37,485)	14,320	194,074

(In millions of won)

		January 1, 2018	Impact of adopting K-IFRS No. 1109	Impairment	Write-offs(*)	Collection of receivables previously written-off	September 30, 2018
Accounts receivable – trade Accounts receivable –	₩	107,827	12,950	11,756	(14,831)	8,121	125,823
other		97,547	99	2,438	(7,794)	4,057	96,347
	₩	205,374	13,049	14,194	(22,625)	12,178	222,170

(*) The Company writes off the trade and other receivables when contractual payments are more than 5 years past due, or for reasons such as termination of operations or liquidation.

(3) The Company applies the practical expedient that allows the Company to estimate the loss allowance for accounts receivable – trade at an amount equal to the lifetime expected credit losses. The expected credit losses include the forward-looking information. To make the assessment, the Company uses its historical credit loss experience over the past three years and classifies the accounts receivable – trade by their credit risk characteristics and days overdue.

As the Company is a wireless telecommunications service provider, the Company's financial assets measured at amortized cost consist primarily of receivables from numerous individual customers, and, therefore, no significant credit concentration risk arises.

For the nine-month periods ended September 30, 2019 and 2018

5. Prepaid expenses

(1) Details of prepaid expenses as of September 30, 2019 and December 31, 2018 are as follows:

_	September 30, 2019	December 31, 2018
_		
₩	1,835,642	1,574,309
	59,377	113,925
₩	1,895,019	1,688,234
_		
₩	1,087,606	724,233
_	20,581	28,948
₩	1,108,187	753,181
	₩	₩ 1,835,642 59,377 ₩ 1,895,019 ₩ 1,087,606 20,581

(2) Incremental costs of obtaining contracts

Incremental costs of obtaining contracts that are capitalized as assets as of September 30, 2019 and the related amortization recognized as commissions for the three and nine-month periods ended September 30, 2019 and 2018 are as follows:

(In millions of won)	
----------------------	--

		201	19	201	.8
		Three-month period ended September 30	Nine-month period ended September 30	Three-month period ended September 30	Nine-month period ended September 30
Amortization recognized as commissions	₩	570,797	1,596,304	518,836	1,554,042

The Company pays commissions to its direct retail stores and authorized dealers for wireless telecommunications services for each service contract and installation contract secured. The Company capitalized certain costs associated with commissions paid to retail stores and authorized dealers to obtain new and retained customer contracts as prepaid expenses. These prepaid expenses are amortized on a straight-line basis over the periods that the Company expects to maintain its customers based on the Company's historical subscriber churn rate.

For the nine-month periods ended September 30, 2019 and 2018

6. Contract assets and liabilities

(1) Details of contract assets and liabilities as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won)			
	Septe	mber 30, 2019	December 31, 2018
Contract assets:			
Allocation of consideration between			
performance obligations	₩	13,487	7,531
Contract liabilities:			
Wireless service contracts		15,573	18,425
Customer loyalty programs		23,016	17,113
Others		43,322	18,895
	₩	81,911	54,433

(2) The amount of revenue recognized for the nine-month period ended September 30, 2019 related to the contract liabilities carried forward from the prior period is ₩32,920 million.

7. Investment Securities

(1) Details of short-term investment securities as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won)

	Category		September 30, 2019	December 31, 2018
Beneficiary certificates	FVTPL	₩	48,226	47,849

(2) Details of long-term investment securities as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won)

	Category	Septe	mber 30, 2019	December 31, 2018
Equity instruments	FVOCI(*)	₩	105,831	333,161
Debt instruments	FVTPL		77,887	77,511
		₩	183,718	410,672

(*) The Company designated ₩105,831 million of equity instruments that are not held for trading as financial assets at FVOCI. During the nine-month period ended September 30, 2019, the Company disposed 6,109,000 shares of the common shares issued by Hana Financial Group Inc. in exchange for ₩221,146 million in cash. The valuation gain on financial assets at FVOCI of ₩30,073 million was reclassified from reserves to retained earnings.

For the nine-month periods ended September 30, 2019 and 2018

8. Investments in Subsidiaries, Associates and Joint Ventures

(1) Investments in subsidiaries, associates and joint ventures as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won)

	Se	ptember 30, 2019	December 31, 2018
Investments in subsidiaries	₩	5,432,591	5,286,601
Investments in associates and joint ventures		5,150,701	4,902,313
	₩	10,583,292	10,188,914

(2) Details of investments in subsidiaries as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won, except for share data)		September 30, 2019		December 31, 2018
	Number of	Ownership	Carrying	Carrying
	shares	(%)	amount	amount
SK Telink Co., Ltd.	1,432,627	100.0 W	243,988	243,988
SK Broadband Co., Ltd.	298,460,212	100.0	1,870,582	1,870,582
SK Communications Co., Ltd.	43,427,530	100.0	69,668	69,668
PS&Marketing Corporation	66,000,000	100.0	313,934	313,934
SERVICEACE Co., Ltd.	4,385,400	100.0	21,927	21,927
SK Planet Co., Ltd.	69,593,562	98.7	404,833	404,833
Eleven Street Co., Ltd.	8,224,709	80.3	1,049,403	1,049,403
DREAMUS COMPANY				
(Formerly, IRIVER LIMITED)(*1)	29,246,387	52.0	156,642	156,642
SK Telecom China Holdings Co., Ltd.	-	100.0	48,096	48,096
Life & Security Holdings Co., Ltd.	740,895	55.0	703,394	703,736
SKT Americas, Inc.	122	100.0	45,701	45,701
Atlas Investment(*2)	-	100.0	127,920	99 <i>,</i> 874
SK Global Healthcare Business Group, Ltd.	-	100.0	1,929	1,929
One Store Co., Ltd.	10,409,600	65.5	82,186	82,186
id Quantique SA(*3)	69,157,505	66.8	94,065	81,902
SK Infosec Co., Ltd.	12,636,024	100.0	44,410	44,410
SK Telecom TMT Investment Corp.(*4)	30,000	100.0	33,834	-
FSK L&S Co., Ltd.(*5)	2,415,750	60.0	17,757	-
Incross Co., Ltd.(*6)	2,786,455	34.6	53,722	-
SK O&S Co., Ltd.	2,. 00, 100	00	00,1 EE	
(Formerly, Network O&S Co., Ltd.) and others	-	-	48,600	47,790
		₩	5,432,591	5,286,601

(*1) The ownership has changed due to the conversion of the convertible bonds issued by DREAMUS COMPANY (Formerly, IRIVER LIMITED) during the nine-month period ended September 30, 2019.

- (*2) The Company invested W28,046 million in cash for the nine-month period ended September 30, 2019.
- (*3) The ownership has changed due to an unequal paid-in capital increase during the nine-month period ended September 30, 2019. Also, the Company invested additional W12,163 million in cash during the nine-month period ended September 30, 2019.

For the nine-month periods ended September 30, 2019 and 2018

8. Investments in Subsidiaries, Associates and Joint Ventures, Continued

- (2) Details of investments in subsidiaries as of September 30, 2019 and December 31, 2018 are as follows, Continued:
- (*4) SK Telecom TMT Investment Corp. was newly established during the nine-month period ended September 30, 2019.
- (*5) FSK L&S Co., Ltd. was reclassified as a subsidiary from an associate during the nine-month period ended September 30, 2019.
- (*6) The Company acquired 2,786,455 shares of Incross Co., Ltd. at ₩53,722 million in cash for the nine-month period ended September 30, 2019 in order to expand digital advertising business through the integration of the Company's technological capabilities. Although the Company owns less than 50% of the investee, the management has determined that the Company controls Incross Co., Ltd. considering the level of dispersion of remaining voting rights and voting patterns at previous shareholders' meetings, and the fact that the Company has a right to appoint the majority of the members of board of directors by the virtue of an agreement with the investee's other shareholders.

For the nine-month periods ended September 30, 2019 and 2018

8. Investments in Subsidiaries, Associates and Joint Ventures, Continued

(3) Details of investments in associates and joint ventures as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won, except for share data)

		September 30, 2019		December 31, 2018
	Number of shares	Ownership (%)	Carrying amount	Carrying amount
Investments in associates:				
SK China Company Ltd.	10,928,921	27.3 ₩	601,192	601,192
Korea IT Fund(*1)	190	63.3	220,957	220,957
Wave City Development Co., Ltd.(*2)	393,460	19.1	1,532	1,532
KEB HanaCard Co., Ltd.(*2)	39,902,323	15.0	253,739	253,739
Daehan Kanggun BcN Co., Ltd.	1,675,124	29.0	353	353
NanoEnTek, Inc.	7,600,649	28.9	51,138	51,138
SK Technology Innovation Company	14,700	49.0	45,864	45,864
SK hynix Inc.	146,100,000	20.1	3,374,725	3,374,725
SK MENA Investment B.V.	9,772,686	32.1	14,485	14,485
SK Latin America Investment S.A.	9,448,937	32.1	14,243	14,243
S.M.Culture & Contents Co., Ltd.	22,033,898	23.4	65,341	65,341
12CM Japan, Inc.	3,925	28.2	7,697	7,697
MAKEUS Corp.(*2)	2,153	8.9	9,773	9,773
SK South East Asia Investment Pte. Ltd.(*3)	200,000,000	20.0	224,470	111,000
Pacific Telecom Inc.(*2)	1,734,109	15.0	36,487	36,487
Grab Geo Holdings PTE. LTD.(*4)	300	30.0	30,517	-
Carrot Co., Ltd.(*2,5)	1,360,000	9.9	6,800	-
Contents Wavve Co., Ltd.(*6)	1,306,286	30.0	90,858	-
Health Connect Co., Ltd. and others	-	-	51,450	69,207
,		₩_	5,101,621	4,877,733
Investment in a joint venture:		-		
Finnq Co., Ltd. (*7)	6,370,000	49.0 W	49,080	24,580
		₩	5,150,701	4,902,313

(*1) Investment in Korea IT Fund was classified as investment in associates as the Company does not have control over the investee under the contractual agreement with other shareholders.

(*2) These investments were classified as investments in associates as the Company can exercise significant influence through its right to appoint the members of board of directors even though the Company has less than 20% of equity interests.

(*3) The Company invested W113,470 million in cash in SK South East Asia Investment Pte. Ltd. for the nine-month period ended September 30, 2019.

(*4) The Company jointly established Grab Geo Holdings PTE. LTD. by investing ₩11,201 million in cash and ₩19,039 million in exchange of assets for the nine-month period ended September 30, 2019.

(*5) The Company newly invested W6,800 million in cash for the nine-month period ended September 30, 2019.

For the nine-month periods ended September 30, 2019 and 2018

8. Investments in Subsidiaries, Associates and Joint Ventures, Continued

- (3) Details of investments in associates and joint ventures as of September 30, 2019 and December 31, 2018 are as follows, Continued:
- (*6) The Company newly invested \#90,858 million in cash for the nine-month period ended September 30, 2019.
- (*7) This investment was classified as investment in a joint venture as the Company has joint control pursuant to the agreement with the other shareholders. The Company invested additional W24,500 million in cash during the nine-month period ended September 30, 2019.
- (4) The market value of investments in listed subsidiaries as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won, except for share data)

		Se	ptember 30, 201	9	December 31, 2018			
		Market price per share	Number of	Market	Market price per share	Number of	Market	
DREAMUS COMPANY		(in won)	shares	value	(in won)	shares	value	
(Formerly, IRIVER LIMITED)	₩	5,740	29,246,387	167,874	6,760	29,246,387	197,706	
Incross Co., Ltd.		21,850	2,786,455	60,884	-	-	-	

(5) The market value of investments in listed associates as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won, except for share data)

		Se	September 30, 2019			December 31, 2018			
		Market price per			Market price per				
		share	Number of	Market	share	Number of	Market		
		(in won)	shares	value	(in won)	shares	value		
NanoEnTek, Inc.	₩	4,460	7,600,649	33,899	4,235	7,600,649	32,189		
SK hynix Inc. SM Culture & Contents		82,200	146,100,000	12,009,420	60,500	146,100,000	8,839,050		
Co., Ltd.		1,410	22,033,898	31,068	2,020	22,033,898	44,508		

For the nine-month periods ended September 30, 2019 and 2018

9. Property and Equipment

(1) Details of the changes in property and equipment for the nine-month periods ended September 30, 2019 and 2018 are as follows:

(In millions of won)

		For the nine-month period ended September 30, 2019								
		Beginning balance	Impact of adopting K-IFRS No. 1116	Acquisition	Disposal	Transfer	Depreciation	Ending balance		
Land	₩	544,419	-	1,568	(3)	33,670	-	579,654		
Buildings		537,000	-	1,753	(433)	33,312	(28,871)	542,761		
Structures		355,739	-	7,521	-	7,289	(26,993)	343,556		
Machinery		4,382,375	-	111,451	(5 <i>,</i> 853)	1,367,576	(1,176,973)	4,678,576		
Right-of-use										
assets		-	416,552	343,613	(102,405)	-	(196,672)	461,088		
Other		617,837	-	974,990	(990)	(968,060)	(72,615)	551,162		
Construction										
in progress		506,120		447,877	(744)	(509,428)	-	443,825		
	₩	6,943,490	416,552	1,888,773	(110,428)	(35,641)	(1,502,124)	7,600,622		

(In millions of won)

		For the nine-month period ended September 30, 2018							
	_	Beginning balance	Acquisition	Disposal	Transfer	Depreciation	Ending balance		
Land	₩	525,572	2,418	(29)	8,275	-	536,236		
Buildings		546,872	485	(1,330)	20,794	(27,898)	538,923		
Structures		376,755	4,762	(26)	3,275	(27,018)	357,748		
Machinery		4,648,331	94,028	(22,505)	727,391	(1,216,619)	4,230,626		
Other		448,203	371,690	(1,479)	(352,718)	(75,622)	390,074		
Construction in									
progress	_	377,400	401,888	(3,466)	(493,534)		282,288		
	₩_	6,923,133	875,271	(28,835)	(86,517)	(1,347,157)	6,335,895		

(2) Details of the right-of-use assets as of September 30, 2019 and January 1, 2019 are as follows:

(In millions of won)

	Septe	ember 30, 2019	January 1, 2019
Land, Buildings and Structures	₩	397,619	335,481
Other		63,469	81,071
	₩	461,088	416,552

For the nine-month periods ended September 30, 2019 and 2018

10. Intangible Assets

(1) Details of the changes in intangible assets for the nine-month periods ended September 30, 2019 and 2018 are as follows:

(In millions of won)

		For the nine-month period ended September 30, 2019							
	Beginning balance	Impact of adopting K-IFRS No. 1116	Acquisition	Disposal	Transfer	Amortization	Impairment	Ending balance	
Frequency usage									
rights W	3,139,978	-	-	-	-	(361,983)	-	2,777,995	
Land usage									
rights	6,498	-	1,484	-	-	(2,202)	-	5,780	
Industrial rights	15,300	-	759	(219)	-	(2,164)	-	13,676	
Facility usage rights	16,008	-	1,465	(12)	172	(2,080)	-	15,553	
Club memberships	47,411	-	1,113	(850)	-	-	(63)	47,611	
Other	785,669	(2,274)	19,811	(2,062)	68,402	(213,623)		655,923	
w.	4,010,864	(2,274)	24,632	(3,143)	68,574	(582,052)	(63)	3,516,538	

(In millions of won)	For the nine-month period ended September 30, 2018								
	Beginning balance	Acquisition	Disposal	Transfer	Amortization	Ending balance			
Frequency usage rights W	2,176,940	-	-	-	(302,916)	1,874,024			
Land usage rights	7,858	1,860	(49)	405	(2,944)	7,130			
Industrial rights	12,899	4,216	(716)	-	(2 <i>,</i> 585)	13,814			
Facility usage rights	16,456	1,472	(35)	99	(2,059)	15,933			
Club memberships	44,843	1,237	(25)	-	-	46,055			
Other	830,549	12,630	(1,400)	115,188	(211,458)	745,509			
₩	3,089,545	21,415	(2,225)	115,692	(521,962)	2,702,465			

For the nine-month periods ended September 30, 2019 and 2018

10. Intangible Assets, Continued

(2) Details of frequency usage rights as of September 30, 2019 are as follows:

(In millions of won)

		Amount	Description	Commencement of amortization	Completion of amortization
800MHz license	₩	70,952	CDMA and LTE service	Jul. 2011	Jun. 2021
1.8GHz license		282,645	LTE service	Sept. 2013	Dec. 2021
2.6GHz license		880,285	LTE service	Sept. 2016	Dec. 2026
2.1GHz license		237,407	W-CDMA and LTE service	Dec. 2016	Dec. 2021
3.5GHz license(*)		1,104,023	5G service	Apr. 2019	Nov. 2028
28GHz license(*)	_	202,683	5G service	-	Nov. 2023
	₩	2,777,995			

(*) The Company participated in the frequency usage rights allocation auction hosted by Ministry of Science and Information and Communication Technology (ICT) and was assigned the 3.5GHz and 28GHz bands of frequency during the year ended December 31, 2018. The considerations payable for the bands of frequency are \$1,218,500 million and \$207,300 million, respectively. These bands of frequency were assigned in December 2018 and the annual payments in installment of the remaining balances will be made for the next ten and five years, respectively. The Company recognized these frequency usage rights as intangible assets at the date of initial lump sum payment and began amortization for 3.5GHz license in April 2019. The amortization for 28GHz license will begin when it is in the condition necessary for it to be capable of operating in the manner intended by management.

For the nine-month periods ended September 30, 2019 and 2018

11. Borrowings and Debentures

(1) Changes in borrowings for the nine-month period ended September 30, 2019 are as follows:

(In millions of won)

		Annual interest			
	Lender	rate(%)	Maturity		Book value
Current				₩	12,630
Non-current					31,764
As of January 1, 2019				_	44,394
Borrowings repaid	Export			_	
	Kreditnamnden	1.70	Apr. 29, 2022		(6,441)
Other changes(*1):					3,069
Current(*2)					13,686
Non-current(*2)					27,336
As of September 30, 2019				₩	41,022

(*1) Other changes include the effects on foreign currency translation of foreign currency-denominated debentures and changes in present value discount for the nine-month period ended September 30, 2019.

(*2) ₩6,540 million were transferred from non-current to current for the nine-month period ended September 30, 2019.

For the nine-month periods ended September 30, 2019 and 2018

11. Borrowings and Debentures, Continued

(2) Changes in debentures for the nine-month period ended September 30, 2019 are as follows:

(In millions of won)

	Purpose	Annual interest rate(%)	Maturity		Face value	Book value
Current				₩	500,000	499,747
Non-current					5,243,533	5,222,865
As of January 1, 2019				-	5,743,533	5,722,612
Debentures newly issued:						
Unsecured	Operating fund	2.03	Mar. 6, 2022		180,000	179,234
corporate bonds		2.09	Mar. 6, 2024		120,000	119,498
		2.19	Mar. 6, 2029		50,000	49,801
		2.23	Mar. 6, 2039		50,000	49,812
	Operating and	1.40	Jul. 29, 2022		120,000	119,487
	refinancing	1.49	Jul. 29, 2024		60,000	59,760
	fund	1.50	Jul. 29, 2029		120,000	119,552
		1.52	Jul. 29, 2039		50,000	49,812
		1.56	Jul. 29, 2049	_	50,000	49,812
				₩	800,000	796,768
Debentures repaid:						
Unsecured corporate bonds	Operating and refinancing					
	fund	3.24	Aug. 28, 2019	₩	(170,000)	(170,000)
	Operating fund	3.30	May 14, 2019		(50,000)	(50,000)
		4.72	May 14, 2029		(61,757)	(61,757)
		1.65	Mar. 4, 2019		(70,000)	(70,000)
		1.62	Jun. 3, 2019	-	(50,000)	(50,000)
				-	(401,757)	(401,757)
Other changes(*1):					99,784	102,468
Current(*2)					580,390	580,200
Non-current(*2)					5,661,170	5,639,891
As of September 30, 2019				₩	6,241,560	6,220,091

(*1) Other changes include the effects on foreign currency translation of foreign currency-denominated debentures and changes in present value discount on debentures for the nine-month period ended September 30, 2019.

(*2) W420,452 million were transferred from non-current to current for the nine-month period ended September 30, 2019.

For the nine-month periods ended September 30, 2019 and 2018

12. Long-term Payables – other

(1) As of September 30, 2019 and December 31, 2018, details of long-term payables – other related to the acquisition of frequency usage rights are as follows (See note 10):

(In millions of won)

		September 30, 2019	December 31, 2018
Long-term payables – other	₩	2,051,389	2,476,738
Present value discount on long-term payables – other		(90,335)	(113,772)
Current installments of long-term payables – other		(422,117)	(423,884)
Carrying amount at period end	₩	1,538,937	1,939,082

(2) The Company repaid W425,349 million of the principal amounts of long-term payables – other related to the acquisition of frequency usage rights for the nine-month period ended September 30, 2019. The repayment schedule of the principal amount of long-term payables – other as of September 30, 2019 is as follows:

(In millions of won)		
		Amount
Less than 1 year	W	425,349
1~3 years		647,589
3~5 years		413,385
More than 5 years		565,066
	₩	2,051,389

For the nine-month periods ended September 30, 2019 and 2018

₩

64,686

13. Provisions

Changes in provisions for the nine-month periods ended September 30, 2019 and 2018 are as follows:

(In millions of won)	For the nine-month period ended September 30, 2019						As of September 30, 2019	
	_	Beginning				Ending		Non-
		balance	Increase	Utilization	Reversal	balance	Current	current
Provision for restoration	₩	59,548	2,597	(524)	(467)	61,154	44,892	16,262
Emission allowance		2,238	3,495	(1,085)	(932)	3,716	3,716	-
	₩	61,786	6,092	(1,609)	(1,399)	64,870	48,608	16,262
(In millions of won)							As of Septe	,
	_	For the n	ine-month p	eriod ended Se	ptember 30.	2018	201	8
							-	-
		Beginning			<u> </u>	Ending		Non-
		Beginning balance	Increase	Utilization	Reversal		Current	-
Provision for installment of	_	0 0	Increase	Utilization	•	Ending	Current	Non-
Provision for installment of handset subsidy	_ ₩	0 0	Increase	Utilization (1,075)	•	Ending	Current	Non-
	_ ₩	balance	Increase - 3,656		Reversal	Ending	Current - 42,928	Non-

(3,030)

(6,561)

61,647

15,813

45,834

6,552

For the nine-month periods ended September 30, 2019 and 2018

14. Defined Benefit Liabilities (Assets)

(1) Details of defined benefit liabilities (assets) as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won)			
	_	September 30, 2019	December 31, 2018
Present value of defined benefit obligations	₩	366,787	332,044
Fair value of plan assets		(366,469)	(363,878)
	₩	318	(31,834)

(2) Changes in defined benefit obligations for the nine-month periods ended September 30, 2019 and 2018 are as follows:

(In millions of won)

	For the nine-month period ended		
	September 30, 2019	September 30, 2018	
Beginning balance W	332,044	278,778	
Current service cost	33,951	30,684	
Interest cost	6,360	6,507	
Remeasurement			
 Adjustment based on experience 	2,000	3,808	
Benefit paid	(11,610)	(6,513)	
Others	4,042	3,566	
Ending balance W	366,787	316,830	

(3) Changes in plan assets for the nine-month periods ended September 30, 2019 and 2018 are as follows:

(In millions of won)

	For the nine-month period ended		
	_	September 30, 2019	September 30, 2018
Beginning balance	₩	363,878	318,860
Interest income		6,773	7,144
Remeasurement		(526)	(1,968)
Contribution		20,000	9,000
Benefit paid		(21,868)	(16,155)
Others	_	(1,788)	5,938
Ending balance	₩_	366,469	322,819

(4) Total cost of benefit plan, which is recognized in profit and loss (included in labor in the statement of income) and capitalized into construction-in-progress, for the nine-month periods ended September 30, 2019 and 2018 are as follows:

(In millions of won)

		For the nine-month period ended		
	-	September 30, 2019	September 30, 2018	
Current service cost	W	33,951	30,684	
Net interest income		(413)	(637)	
	₩	33,538	30,047	

For the nine-month periods ended September 30, 2019 and 2018

15. Share Capital and Capital Surplus and Others

(1) The Company's outstanding share capital consists entirely of common shares with a par value of W500. The number of authorized, issued and outstanding common shares and the details of capital surplus and others as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won, except for share data)

		September 30, 2019	December 31, 2018
Number of authorized shares		220,000,000	220,000,000
Number of issued shares		80,745,711	80,745,711
Share capital:			
Common share	₩	44,639	44,639
Capital surplus and others:			
Paid-in capital surplus		2,915,887	2,915,887
Treasury shares		(1,979,475)	(1,979,475)
Hybrid bonds(*)		398,759	398,759
Share option(note 16)		1,235	1,007
Others		(920,854)	(920,854)
	₩	415,552	415,324

(*) Hybrid bonds issued by the Company are classified as equity as there is no contractual obligation for delivery of financial assets to the bond holders. These are subordinated bonds which rank before common shares in the event of a liquidation or reorganization of the Company.

(2) There were no changes in share capital during the nine-month periods ended September 30, 2019 and 2018 and details of shares outstanding as of September 30, 2019 and 2018 are as follows:

(In shares)

	Sep	September 30, 2019			September 30, 2018		
	Issued shares	Treasury shares	Outstanding shares	Issued shares	Treasury shares	Outstanding shares	
Shares outstanding	80,745,711	8,875,883	71,869,828	80,745,711	10,136,551	70,609,160	

For the nine-month periods ended September 30, 2019 and 2018

16. Share option

(1) The terms and conditions related to the grants of the share options under the share option program are as follows:

			Ser	ies		
	1-1	1-2	1-3	2	3	4
Grant date		March 24, 2017		February 20,	February 22,	March 26, 2019
				2018	2019	
Types of shares to be issued			Registered co	mmon shares		
Grant method		Reissue of tr	easury shares			easury shares, ttlement
Number of shares (in shares)	22,168	22,168	22,168	1,358	5,477	1,734
Exercise price (in won)	246,750	266,490	287,810	254,120	265,260	254,310
Exercise period	Mar. 25, 2019	Mar. 25, 2020	Mar. 25, 2021 ~	Feb. 21, 2020	Feb. 23, 2021 ~	Mar. 27, 2021
	~	~	Mar. 24, 2024	~	Feb. 22, 2024	~
	Mar. 24, 2022	Mar. 24, 2023		Feb. 20, 2023		Mar. 26, 2024
Vesting	2 years'	3 years' service	4 years' service	2 years' service	2 years' service	2 years' service
conditions	service from	from the grant				
	the grant date	date	date	date	date	date

(2) Share compensation expense recognized for the nine-month period ended September 30, 2019 and the remaining share compensation expense to be recognized in subsequent periods are as follows:

(In millions of won)		Share
	compen	sation expense
Accumulated compensation expenses as of December 31, 2018	₩	1,007
For the nine-month period ended September 30, 2019		228
In subsequent periods		249
	₩	1,484

(3) The Company used binomial option pricing model in the measurement of the fair value of share options at the grant date and the inputs used in the model are as follows:

(In won)						
	Series					
	1-1	1-2	1-3	2	3	4
Risk-free interest rate	1.86%	1.95%	2.07%	2.63%	1.91%	1.78%
Estimated option's life	5 years	6 years	7 years	5 years	5 years	5 years
Share price						
(Closing price on the preceding day)	262,500	262,500	262,500	243,500	259,000	253,000
Expected volatility	13.38%	13.38%	13.38%	16.45%	8.30%	7.70%
Expected dividends	3.80%	3.80%	3.80%	3.70%	3.80%	3.90%
Exercise price	246,750	266,490	287,810	254,120	265,260	254,310
Per share fair value of the option	27,015	20,240	15,480	23,988	8,600	8,111

For the nine-month periods ended September 30, 2019 and 2018

17. Retained Earnings

Retained earnings as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won)			
	_	September 30, 2019	December 31, 2018
Appropriated:			
Legal reserve	₩	22,320	22,320
Reserve for business expansion		11,531,138	10,531,138
Reserve for technology development	_	4,265,300	3,321,300
		15,818,758	13,874,758
Unappropriated	_	889,312	2,593,031
	₩	16,708,070	16,467,789

18. Reserves

(1) Details of reserves, net of taxes, as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won)			
	_	September 30, 2019	December 31, 2018
Valuation gain (loss) on FVOCI	₩	(40,734)	2,047
Valuation loss on derivatives		(11,441)	(42,312)
	W	(52,175)	(40,265)

(2) Changes in reserves for the nine-month periods ended September 30, 2019 and 2018 are as follows:

		Valuation gain (loss) on financial assets at FVOCI	Valuation gain (loss) on available-for-sale financial assets	Valuation gain (loss) on derivatives	Total
Balance at December 31, 2017 Impact of adopting K-IFRS	₩	-	148,873	(70,572)	78,301
No.1109		90,484	(148,873)		(58,389)
Balance at January 1, 2018		90,484	-	(70,572)	19,912
Changes, net of taxes		(26,895)	-	(14,254)	(41,149)
Balance at September 30, 2018		63,589		(84,826)	(21,237)
Balance at January 1, 2019		2,047	-	(42,312)	(40,265)
Changes, net of taxes		(42,781)		30,871	(11,910)
Balance at September 30, 2019	₩	(40,734)		(11,441)	(52,175)

For the nine-month periods ended September 30, 2019 and 2018

19. Operating revenue

Disaggregation of operating revenues considering the economic factors that affect the amounts, timing and uncertainty of the Company's revenue and future cash flows is as follows:

(In millions of won)

		201	9	2018		
	-	Three-month period ended September 30	Nine-month period ended September 30	Three-month period ended September 30	Nine-month period ended September 30	
Products transferred at a point in time:						
Product sales	₩	24,245	68,349	36,688	106,655	
Services transferred over time:						
Wireless service revenue(*1)		2,486,354	7,334,826	2,484,567	7,551,174	
Cellular interconnection revenue		126,400	386,057	155,901	462,837	
Other(*2)		274,551	782,243	248,416	735,279	
	_	2,887,305	8,503,126	2,888,884	8,749,290	
	₩	2,911,550	8,571,475	2,925,572	8,855,945	

(*1) Wireless service revenue includes revenue from wireless voice and data transmission services principally derived through usage charges collected from the wireless subscribers.

(*2) Other revenue includes revenue from billing and collection services as well as other miscellaneous services.

Most of the Company's transactions are occurring in Korea as it principally operates its businesses in Korea.

20. Other Operating Expenses

Details of other operating expenses for the three and nine-month periods ended September 30, 2019 and 2018 are as follows:

	_	20:	L9	2018		
	-	Three-month period ended September 30	Nine-month period ended September 30	Three-month period ended September 30	Nine-month period ended September 30	
Communication	₩	8,018	22,926	7,080	21,244	
Utilities		69,157	182,157	62,597	170,150	
Taxes and dues		3,399	20,221	2,601	18,452	
Repair		62,217	183,748	65,080	181,754	
Research and development		77,212	238,497	78,623	229,807	
Training		8,439	20,297	8,030	19,723	
Bad debt (Reversal of loss allowance) for						
accounts receivable – trade		(253)	2,770	3,163	11,756	
Other	_	10,006	32,745	10,404	32,228	
	₩	238,195	703,361	237,578	685,114	

For the nine-month periods ended September 30, 2019 and 2018

21. Other Non-operating Income and Expenses

Details of other non-operating income and expenses for the three and nine-month periods ended September 30, 2019 and 2018 are as follows:

		20:	19	2018		
	-	Three-month period ended September 30	Nine-month period ended September 30	Three-month period ended September 30	Nine-month period ended September 30	
Other non-operating Income: Gain on disposal of property and equipment						
and intangible assets	₩	1,910	4,609	520	1,520	
Others		2,938	7,708	2,053	17,547	
	₩	4,848	12,317	2,573	19,067	
Other non-operating Expenses:						
Loss on disposal of property and equipment						
and intangible assets	₩	2,930	10,574	9,704	25,683	
Donations		2,916	12,809	12,409	40,559	
Bad debt for accounts receivable – other		895	2,543	940	2,438	
Others		1,124	6,631	2,597	4,974	
	₩	7,865	32,557	25,650	73,654	

For the nine-month periods ended September 30, 2019 and 2018

22. Finance Income and Costs

(1) Details of finance income and costs for the three and nine-month periods ended September 30, 2019 and 2018 are as follows:

(In millions of won)

	_	2019		2018	
	_	Three-month Nine-month		Three-month	Nine-month
		period ended	period ended	period ended	period ended
	_	September 30	September 30	September 30	September 30
Finance Income:					
Interest income	₩	11,338	26,157	6,389	30,673
Gain on sale of accounts receivable – other		2,366	14,353	9,202	17,341
Dividends		218	514,399	14,572	177,490
Gain on foreign currency transactions		1,833	6,245	3,251	11,720
Gain on foreign currency translations		1,807	3,717	-	894
Gain relating to financial assets at FVTPL		716	840	487	2,179
Gain relating to financial liabilities at FVTPL		-	56	-	-
Gain on valuation of derivatives		-	465	526	1,423
Gain on settlement of derivatives		-	389	-	-
	₩	18,278	566,621	34,427	241,720
Finance Costs:					
Interest expenses	₩	60,995	186,878	55,340	173,723
Loss on foreign currency transactions		2,629	6,601	2,113	10,763
Loss on foreign currency translations		1,432	3,347	1,260	615
Loss on sale of accounts receivable – other		-	560	-	-
Loss relating to financial assets at FVTPL		-	180	11	589
Loss relating to financial liabilities at FVTPL		-	43	363	1,143
Loss on settlement of derivatives		-	317	-	12,156
	₩	65,056	197,926	59,087	198,989
	-				

(2) Details of interest income included in finance income for the three and nine-month periods ended September 30, 2019 and 2018 are as follows:

	_	2019		2018	
	_	Three-month period ended September 30	Nine-month period ended September 30	Three-month period ended September 30	Nine-month period ended September 30
Interest income on cash equivalents and short-term financial instruments	₩	2,789	8,381	4,569	12,208
Interest income on loans and others		8,549	17,776	1,820	18,465
	₩	11,338	26,157	6,389	30,673

For the nine-month periods ended September 30, 2019 and 2018

22. Finance Income and Costs, Continued

(3) Details of interest expenses included in finance costs for the three and nine-month periods ended September 30, 2019 and 2018 are as follows:

(In millions of won)

	2019		2018	
	Three-month period ended September 30	Nine-month period ended September 30	Three-month period ended September 30	Nine-month period ended September 30
Interest expenses on borrowings	1,526	4,429	286	3,108
Interest expenses on debentures	45,455	134,778	43,672	134,650
Others	14,014	47,671	11,382	35,965
//	60,995	186,878	55,340	173,723

(4) Details of impairment losses (reversal of impairment loss) on financial assets for the three and nine-month periods ended September 30, 2019 and 2018 are as follows:

(In millions of won)

	_	2019		2018	
	-	Three-month period ended September 30	Nine-month period ended September 30	Three-month period ended September 30	Nine-month period ended September 30
Accounts receivable – trade	₩	(253)	2,770	3,163	11,756
Other receivables	_	895	2,543	940	2,438
	₩	642	5,313	4,103	14,194

23. Income Tax Expense

Income tax expense was calculated by considering current tax expense adjusted to changes in estimates related to prior periods, and deferred tax expense due to origination and reversal of temporary differences.

For the nine-month periods ended September 30, 2019 and 2018

24. Earnings per Share

- (1) Basic earnings per share
 - 1) Basic earnings per share for the three and nine-month periods ended September 30, 2019 and 2018 are calculated as follows:

(In millions of won, except for share data)

	_	2019		2018	
		Three-month period ended September 30	Nine-month period ended September 30	Three-month period ended September 30	Nine-month period ended September 30
Profit for the period	₩	161,088	967,095	183,322	767,535
Interest on hybrid bonds		(3,692)	(11,075)	(3,691)	(12,111)
Profit for the period available for common shares Weighted average number of common shares		157,396	956,020	179,631	755,424
outstanding		71,869,828	71,869,828	70,609,160	70,609,160
Basic earnings per share (in won)	₩	2,190	13,302	2,544	10,699

2) The weighted average number of common shares outstanding for the nine-month periods ended September 30, 2019 and 2018 are calculated as follows:

(In shares)

		Weighted number of shares			
	Number of shares	Three-month period ended September 30	Nine-month period ended September 30		
Issued common shares at January 1, 2019	80,745,711	80,745,711	80,745,711		
Effect of treasury shares	(8,875,883)	(8,875,883)	(8,875,883)		
Weighted average number of common shares outstanding at September 30, 2019	71,869,828	71,869,828	71,869,828		

(In shares)

		Weighted number of shares			
	Number of shares	Three-month period ended September 30	Nine-month period ended September 30		
Issued common shares at January 1, 2018	80,745,711	80,745,711	80,745,711		
Effect of treasury shares	(10,136,551)	(10,136,551)	(10,136,551)		
Weighted average number of common shares					
outstanding at September 30, 2018	70,609,160	70,609,160	70,609,160		

(2) Diluted earnings per share

For the nine-month periods ended September 30, 2019 and 2018, diluted earnings per share are the same as basic earnings per share as there are no dilutive potential common shares.

For the nine-month periods ended September 30, 2019 and 2018

25. Categories of Financial Instruments

(1) Financial assets by category as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won)

	September 30, 2019						
	Financial assets at	Equity instruments at	Financial assets at	Derivatives- hedging			
_	FVTPL	FVOCI	amortized cost	instrument	Total		
₩	-	-	258,133	-	258,133		
	-	-	169,382	-	169,382		
	48,226	-	-	-	48,226		
	77,887	105,831	-	-	183,718		
	-	-	1,488,382	-	1,488,382		
	812,991	-	594,161	-	1,407,152		
		-	-	176,554	176,554		
₩	939,104	105,831	2,510,058	176,554	3,731,547		
	_	assets at <u>FVTPL</u> ₩ - 48,226 77,887 - 812,991 -	assets at FVTPL instruments at FVOCI ₩ - 48,226 - 77,887 105,831 812,991 -	Financial assets at FVTPL Equity instruments at FVOCI Financial assets at amortized cost ₩ - - 258,133 - - 169,382 48,226 - - 77,887 105,831 - - - 1,488,382 812,991 - -	Financial assets atEquity instruments at FVOCIFinancial assets at amortized costDerivatives- hedging instrument₩258,133258,133-48,22677,887105,83177,897105,831812,991-594,161176,554-		

(*) The Company designated ₩105,831 million of equity instruments that are not held for trading as financial assets measured at FVOCI.

(In millions of won) December 31, 2018 **Derivatives-**Financial Equity assets at instruments at **Financial assets at** hedging **FVTPL FVOCI** instrument amortized cost Total Cash and cash equivalents ₩ 877,823 877,823 **Financial instruments** 99,382 99,382 Short-term investment securities 47,849 47,849 Long-term investment 333,161 410,672 securities(*) 77,511 Accounts receivable - trade 1,354,260 1,354,260 _ Loans and other receivables 485,325 554,048 1,039,373 Derivative financial assets 10,947 39,858 50,805 333,161 2,885,513 39,858 3,880,164 621,632 ₩

(*) The Company designated ₩333,161 million of equity instruments that are not held for trading as financial assets measured at FVOCI.

For the nine-month periods ended September 30, 2019 and 2018

25. Categories of Financial Instruments, Continued

(2) Financial liabilities by category as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won)

		September 30, 2019
		Financial liabilities at amortized cost
Borrowings	₩	41,022
Debentures		6,220,091
Lease liabilities		444,417
Accounts payable – other and others		5,095,260
	₩	11,800,790

(In millions of won)

		December 31, 2018				
		Financial liabilities at FVTPL	Financial liabilities at amortized cost	Derivatives- hedging instrument	Total	
Derivative financial liabilities	₩	-	-	1,107	1,107	
Borrowings		-	44,394	-	44,394	
Debentures(*)		61,813	5,660,799	-	5,722,612	
Accounts payable – other and others		-	5,181,029	-	5,181,029	
	₩	61,813	10,886,222	1,107	10,949,142	

(*) Debentures classified as financial liabilities at FVTPL as of December 31, 2018 are structured bonds, and they were designated as financial liabilities at FVTPL in order to eliminate a measurement inconsistency with the related derivatives.

For the nine-month periods ended September 30, 2019 and 2018

26. Financial Risk Management

(1) Financial risk management

The Company is exposed to credit risk, liquidity risk and market risk. Market risk is the risk related to the changes in market prices, such as foreign exchange rates and interest rates. The Company implements a risk management system to monitor and manage these specific risks.

The Company's financial assets consist of cash and cash equivalents, financial instruments, investment securities, and accounts receivable – trade and other. Financial liabilities consist of accounts payable – other and others, borrowings, debentures and lease liabilities.

- 1) Market risk
- (i) Currency risk

The Company is exposed to currency risk mainly on exchange fluctuations on forecasted transactions and recognized assets and liabilities which are denominated in a currency other than the functional currency of the Company.

Monetary assets and liabilities denominated in foreign currencies as of September 30, 2019 are as follows:

(In millions of won, thousands of foreign currencies)

	Assets	5	Liabilities			
	Foreign currencies	Won equivalent	Foreign currencies	Won equivalent		
USD	24,285 W	29,173	1,226,873 ₩	1,473,842		
EUR	2,582	3,395	-	-		
JPY	14,698	164	-	-		
Others	-	167		-		
	₩	32,899	₩	1,473,842		

In addition, the Company has entered into cross currency swaps to hedge against currency risk related to foreign currency borrowings and debentures.

As of September 30, 2019, a hypothetical change in exchange rates by 10% would have increased (reduced) the Company's profit before income taxes as follows:

(In millions of won)		
	If increased by 10%	If decreased by 10%
USD 😽	2,844	(2,844)
EUR	340	(340)
JPY	16	(16)
Others	17	(17)
₩.	3,217	(3,217)

For the nine-month periods ended September 30, 2019 and 2018

26. Financial Risk Management, Continued

(1) Financial risk management, Continued

1) Market risk, Continued

(ii) Interest rate risk

The interest rate risk of the Company arises from borrowings, debentures and long-term payables – other. Since the Company's interest-bearing assets are mostly fixed-interest bearing assets, the Company's revenue and operating cash flows from the interest-bearing assets are not influenced by the changes in market interest rates.

The Company performs various analysis to reduce interest rate risk and to optimize its financing. To minimize risks arising from changes in interest rates, the Company takes various measures such as refinancing, renewal, alternative financing and hedging.

As of September 30, 2019, floating-rate debentures amount to W360,390 million, and the Company has entered into interest rate swaps to hedge interest rate risk related to floating-rate debentures. Therefore, profit before income taxes for the nine-month period ended September 30, 2019 would not have been affected by the changes in interest rates of floating-rate debenture.

As of September 30, 2019, the floating-rate long-term payables – other are W2,051,389 million. If the interest rate increases (decreases) 1%p with all other variables held constant, profit before income taxes for the period ended September 30, 2019, would change by W15,386 million in relation to floating-rate long-term payables – other that are exposed to interest rate risk.

For the nine-month periods ended September 30, 2019 and 2018

26. Financial Risk Management, Continued

(1) Financial risk management, Continued

2) Credit risk

The maximum credit exposure as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won)			
		September 30, 2019	December 31, 2018
Cash and cash equivalents	₩	258,082	877,781
Financial instruments		169,382	99,382
Investment securities		900	900
Accounts receivable – trade		1,488,382	1,354,260
Loans and other receivables		1,407,152	1,039,373
Derivative financial assets	_	176,554	50,805
	₩	3,500,452	3,422,501

Credit risk is the risk of financial loss to the Company if a customer or counterparty to a financial instrument fails to meet its contractual obligations. To manage credit risk, the Company evaluates the credit worthiness of each customer or counterparty considering the party's financial information, its own trading records and other factors. Based on such information, the Company establishes credit limits for each customer or counterparty.

The Company establishes loss allowance in respect of accounts receivable – trade and other. The main components of this allowance are a specific loss component that relates to individually significant exposures and a collective loss component established for groups of similar assets in respect of losses that are expected to occur. The collective loss allowance is determined based on historical data of collection statistics for similar financial assets. Also, the Company's credit risk can arise from transactions with financial institutions related to its cash and cash equivalents, financial instruments and derivatives. To minimize such risk, the Company has a policy to deal only with financial institutions with high credit ratings. The amount of maximum exposure to credit risk of the Company is the carrying amount of financial assets as of September 30, 2019.

For the nine-month periods ended September 30, 2019 and 2018

26. Financial Risk Management, Continued

(1) Financial risk management, Continued

3) Liquidity risk

The Company's approach to managing liquidity is to ensure that it will always maintain sufficient cash and cash equivalents balances and have enough liquidity through various committed credit lines. The Company maintains enough liquidity within credit lines through robust operating activities.

Contractual maturities of financial liabilities as of September 30, 2019 are as follows:

(In millions of won)

		Carrying	Contractual	Less than		More than
		amount	cash flows	1 year	1 - 5 years	5 years
Borrowings(*)	₩	41,022	43,048	14,616	28,432	-
Debentures(*)		6,220,091	7,379,697	760,112	3,494,456	3,125,129
Lease liabilities		444,417	470,586	223,125	222,823	24,638
Accounts payable – other						
and others(*)		5,095,260	5,278,317	3,550,686	1,149,373	578,258
	₩_	11,800,790	13,171,648	4,548,539	4,895,084	3,728,025

(*) Includes interest payables.

The Company does not expect that the cash flows included in the maturity analysis could occur significantly earlier or at different amounts.

As of September 30, 2019, periods in which cash flows from cash flow hedge derivatives are expected to occur are as follows:

(In millions of won)

		Carrying amount	Contractual cash flows	Less than 1 year	1 - 5 years	More than 5 years
Assets	₩	176,554	180,527	58,044	110,765	11,718

(2) Capital management

The Company manages its capital to ensure that it will be able to continue as a business while maximizing the return to shareholders through the optimization of its debt and equity structure. The overall capital management strategy of the Company is the same as that of the Company for the year ended December 31, 2018.

The Company monitors its debt-equity ratio as a capital management indicator. This ratio is calculated as total liabilities divided by total equity; both are from the financial statements.

For the nine-month periods ended September 30, 2019 and 2018

26. Financial Risk Management, Continued

(2) Capital management, Continued

Debt-equity ratio as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won)			
	_	September 30, 2019	December 31, 2018
Total liabilities	₩	12,817,302	11,960,536
Total equity		17,116,086	16,887,487
Debt-equity ratio		74.88%	70.82%

- (3) Fair value
 - 1) Fair value and carrying amount of financial assets and liabilities including fair value hierarchy as of September 30, 2019 are as follows:

(In millions of won)		September 30, 2019							
		Carrying							
		amount	Level 1	Level 2	Level 3	Total			
Financial assets that are measured									
at fair value:									
FVTPL	₩	939,104	-	861,217	77,887	939,104			
Derivative hedging instruments		176,554	-	176,554	-	176,554			
FVOCI		105,831	54,446		51,385	105,831			
	₩	1,221,489	54,446	1,037,771	129,272	1,221,489			
Financial liabilities that are not measured at fair value:									
Borrowings	₩	41,022	-	42,226	-	42,226			
Debentures		6,220,091	-	6,731,127	-	6,731,127			
Long-term payables – other		1,961,054		2,048,150		2,048,150			
	₩	8,222,167	-	8,821,503		8,821,503			

For the nine-month periods ended September 30, 2019 and 2018

26. Financial Risk Management, Continued

(3) Fair value, Continued

2) Fair value and carrying amount of financial assets and liabilities including fair value hierarchy as of December 31, 2018 are as follows:

(In millions of won)

	December 31, 2018							
		Carrying						
		amount	Level 1	Level 2	Level 3	Total		
Financial assets that are measured								
at fair value:								
FVTPL	₩	621,632	-	544,121	77,511	621,632		
Derivative hedging instruments		39,858	-	39,858	-	39,858		
FVOCI		333,161	292,399	-	40,762	333,161		
	₩	994,651	292,399	583,979	118,273	994,651		
Financial liabilities that are								
measured at fair value:								
FVTPL	₩	61,813	-	61,813	-	61,813		
Derivative hedging instruments		1,107	-	1,107	-	1,107		
	₩	62,920	-	62,920	-	62,920		
Financial liabilities that are not								
measured at fair value:								
Borrowings	₩	44,394	-	45,229	-	45,229		
Debentures		5,660,799	-	6,033,601	-	6,033,601		
Long-term payables – other		2,362,966	-	2,439,593	-	2,439,593		
	₩	8,068,159	-	8,518,423	-	8,518,423		

The above information does not include fair values of financial assets and liabilities of which fair values have not been measured as carrying amounts are reasonable approximation of fair values.

Fair value of the financial instruments that are traded in an active market (financial assets at FVOCI) is measured based on the bid price at the end of the reporting date.

The Company uses various valuation methods for determination of fair value of financial instruments that are not traded in an active market. Derivative financial contracts and long-term liabilities are measured using the discounted present value methods. Other financial assets are determined using the methods such as discounted cash flow and market approach. Inputs used to such valuation methods include swap rate, interest rate, and risk premium, and the Company performs valuation using the inputs which are consistent with natures of assets and liabilities measured.

For the nine-month periods ended September 30, 2019 and 2018

26. Financial Risk Management, Continued

(3) Fair value, Continued

Interest rates used by the Company for the fair value measurement as of September 30, 2019 are as follows:

	Interest rate
Derivative instruments	1.00% ~ 2.29%
Borrowings and debentures	1.62% ~ 1.68%
Long-term payables – other	1.58% ~ 1.71%

3) There have been no transfers between Level 2 to Level 1 for the nine-month period ended September 30, 2019. The changes of financial assets classified as Level 3 for the nine-month period ended September 30, 2019 are as follows:

		Balance at				Balance at
	_	January 1, 2019	Valuation	Acquisition	Disposal	September 30, 2019
FVTPL	₩	77,511	333	604	(561)	77,887
FVOCI	-	40,762	(2,577)	13,200		51,385
	₩	118,273	(2,244)	13,804	(561)	129,272

For the nine-month periods ended September 30, 2019 and 2018

26. Financial Risk Management, Continued

(4) Enforceable master netting agreement or similar agreement

Carrying amount of financial instruments recognized of which offset agreements are applicable as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won)

	_			September 30, 201	9	
				Net financial		
				instruments		
		Gross financial		presented on the		
		instruments		statement of	Relevant financial	
	-	recognized	Amount offset	financial position	instruments not offset	Net amount
Financial assets:						
Accounts receivable –						
trade and others	₩	72,013	(71,768)	245		245
Financial liabilities:						
Accounts payable						
 – trade and others 	₩	71,768	(71,768)	-	-	-
	-					
(In millions of won)						
				December 31, 201	8	
	-			Net financial		
				instruments		
		Gross financial		presented on the		
		instruments		statement of	Relevant financial	
	-	recognized	Amount offset	financial position	instruments not offset	Net amount
Financial assets:						
Derivatives(*)	₩	1,867	-	1,867	(1,107)	760
Accounts receivable –						
trade and others	-	92,000	(92,000)	-	-	
	₩	93,867	(92,000)	1,867	(1,107)	760
Financial liabilities:						
Derivatives(*)	₩	1,107	-	1,107	(1,107)	-
Accounts payable						
 trade and others 		92,324	(92,000)	324		324
	₩	93,431	(92,000)	1,431	(1,107)	324
	_					

(*) The balance represents the net amount under the standard terms and conditions of International Swap and Derivatives Association.

For the nine-month periods ended September 30, 2019 and 2018

27. Transactions with Related Parties

(1) List of related parties

Relationship	Company
Ultimate Controlling Entity	SK Holdings Co., Ltd.
Subsidiaries	SK Planet Co., Ltd. and 48 others(*)
Joint ventures	Dogus Planet, Inc. and 3 others
Associates	SK hynix Inc. and 43 others
Others	The Ultimate Controlling Entity's other subsidiaries and associates, etc.

(*) As of September 30, 2019, subsidiaries of the Company are as follows:

Subsidiaries owned by the Company SK Telink Co., Ltd. 100.0 Telecommunication and Mobile Virtui Operator service SK Communications Co., Ltd. 100.0 Internet website services SK Broadband Co., Ltd. 100.0 Telecommunication services SK WCE TOP Co., Ltd. 100.0 Communication services SERVICE TOP Co., Ltd. 100.0 Call center management service SK Oss Co., Ltd. 100.0 Call center management service SK Communication services SK K Communication services Investment SK Communication services SK Communication services Investment SK Communication services Investment service Investment SK Global Healthcare Business Group, Ltd. 100.0 Investment association SK T Americas, Inc. 100.0 Investment association One store Co., Ltd. 98.7 Telecommunication services, system s SK Planet Co., Ltd. 80.3 E-Commerce DREAMUS COMPANY 2.0 Manufacturing digital audio players a Grommeriv, IRVER LIMITED)(*2) other portable media devices SK Infosec Co., Ltd. 55.0 Investment SK Telecom TMT Investment Corp.		Company	Ownership percentage(%)(*1)	Types of business
by the CompanyOperator serviceSK Communications Co., Ltd.100.0Internet website servicesSK Broadband Co., Ltd.100.0Communications servicesPS&Marketing Corporation100.0Coll center management serviceSERVICE ACE Co., Ltd.100.0Call center management serviceSK O&S Co., Ltd.100.0Base station maintenance serviceSK O&S Co., Ltd.100.0Call center management serviceSK OBS Co., Ltd.100.0Investment (holdings company)SK Global Healthcare Business Group, Ltd.100.0Investment sociationYTK Investment Ltd.100.0Investment associationAtlas Investment100.0Investment associationSK T Americas, Inc.100.0Investment associationOne store Co., Ltd.65.5Telecommunication services, system street Co., Ltd.DREAMUS COMPANY52.0Manufacturing digital adio players a development and supply servicesSk Infose Co., Ltd.55.0Information security serviceUife & Security Holdings Co., Ltd.55.0InvestmentSk Telecom Japan Inc.100.0Information agthering and consulting id Quantum Information Fund ISk Telecom Japan Inc.100.0Information agthering and consulting id Quantum Information Fund ISk Telecom Japan Inc.100.0Information agthering and consulting id Quantum Information Fund ISk Telecom Japan Inc.100.0Information agthering and consulting id Quantum Information agthering and consulting busine Incross Co., Ltd.(*5)Subsidiaries ownedSk Relacom	osidiaries owned			Telecommunication and Mobile Virtual Network
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		•		Sales and manufacturing of MP3 and 4
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(Formerly, IRIVER groovers Japan Co., Ltd. 100.0 Digital music contents sourcing and				0
LIMITED) LIMITED		BIOUVEIS Japan CO., Llu.	100.0	5
LIFE DESIGN COMPANY Inc. 100.0 Selling of goods in Japan	,		100.0	
	ı	LI E DESIGN COMPANY IIIC.	100.0	Seming of goods in Japan

For the nine-month periods ended September 30, 2019 and 2018

27. Transactions with Related Parties, Continued

(1) List of related parties, Continued

	Company	Ownership percentage(%)(*1)	Types of business
Subsidiary owned by SK Infosec Co., Ltd.	SKinfosec Information Technology (Wuxi) Co., Ltd.(*7)	100.0	System software development and supply services
Subsidiaries owned by	ADT CAPS Co., Ltd.	100.0	Unmanned security
Life & Security	CAPSTEC Co., Ltd.	100.0	Manned security
Holdings Co., Ltd.	ADT SECURITY Co., Ltd.	100.0	Sales and trade of anti-theft devices and surveillance devices
Subsidiary owned by SK Telink Co., Ltd.	SK TELINK VIETNAM Co., Ltd.	100.0	Communications device retail business
Subsidiaries owned by SK Broadband Co.,Ltd.	Home & Service Co., Ltd.	100.0	Operation of information and communication facility
	SK stoa Co., Ltd.	100.0	Other telecommunication retail business
Subsidiary owned by id Quantique SA	id Quantique LLC	100.0	Quantum information and communications service
Subsidiary owned by FSK L&S Co., Ltd.	FSK L&S (Shanghai) Co., Ltd.(*3)	66.0	Logistics business
Subsidiaries owned by	Infra Communications Co., Ltd.(*4)	100.0	Service operation
Incross Co., Ltd.	Mindknock Co., Ltd. (*8)	100.0	Software development
Others(*9)	SK Telecom Innovation Fund, L.P.	100.0	Investment
	SK Telecom China Fund I L.P.	100.0	Investment

- (*1) The ownership interest represents direct ownership interest in subsidiaries either by the Company or subsidiaries of the Company.
- (*2) DREAMUS COMPANY(Formerly, IRIVER LIMITED) merged groovers Inc. during the nine-month period ended September 30, 2019.
- (*3) FSK L&S Co., Ltd. was reclassified as a subsidiary from an associate during the nine-month period ended September 30, 2019, and thus FSK L&S (Shanghai) Co., Ltd., a subsidiary of FSK L&S Co., Ltd. was included in the subsidiary.
- (*4) The Company acquired 2,786,455 shares of Incross Co., Ltd. at ₩53,722 million in cash for the nine-month period ended September 30, 2019 in order to expand digital advertising business through the integration of the Company's technological capabilities.
- (*5) The Company newly established SK Telecom CS T1 Co., Ltd. for the nine-month period ended September 30, 2019.
- (*6) The Company newly established Happy Hanool Co., Ltd. during the nine-month period ended September 30, 2019.
- (*7) SK Infosec Co., Ltd. newly established SKinfosec Information Technology (Wuxi) Co., Ltd. during the ninemonth period ended September 30, 2019.
- (*8) Mindknock Co., Ltd. was reclassified as a subsidiary from an associate as Incross Co., Ltd. acquired additional shares of Mindknock Co., Ltd. during the nine-month period ended September 30, 2019.
- (*9) Others are owned together by Atlas Investment and another subsidiary of the Company.

For the nine-month periods ended September 30, 2019 and 2018

27. Transactions with Related Parties, Continued

(1) List of related parties, Continued

As of September 30, 2019, the Company belongs to SK Group, a conglomerate as defined in the *Monopoly Regulation and Fair Trade Act of the Republic of Korea*. All of the other entities included in SK Group are considered related parties of the Company.

(2) Compensation to the key management

The Company considers registered directors (3 executive and 5 non-executive directors) who have substantial role and responsibility in planning, operations, and relevant controls of the business as key management. The compensation given to such key management for the three and nine-month periods ended September 30, 2019 and 2018 are as follows:

(In millions of won)

		201	L9	201	18
	_	Three-month period ended September 30	Nine-month period ended September 30	Three-month period ended September 30	Nine-month period ended September 30
Salaries	₩	545	5,420	779	3,995
Defined benefits plan expenses		142	1,095	121	799
Share option	-	66	260	170	441
	₩_	753	6,775	1,070	5,235

Compensation for the key management includes salaries, non-monetary salaries, and retirement benefits made in relation to the pension plan and compensation expenses related to share options granted.

For the nine-month periods ended September 30, 2019 and 2018

27. Transactions with Related Parties, Continued

(3) Transactions with related parties for the three and nine-month periods ended September 30, 2019 and 2018 are as follows:

		For the period ended September 30,					, 2019		
				revenue thers	Operatin and ot	g expense hers(*)	Acquisition of p equipn		
		-					i	Nine-	
Scope	Company		Three-month	Nine-month	Three-month	Nine-month	Three-month	month	
Ultimate									
Controlling Entity	SK Holdings Co., Ltd.(*2)	₩	3,312	8,018	91,613	428,975	7,678	13,404	
Subsidiaries	SK Broadband Co., Ltd.		27,686	81,268	137,823	401,751	7,052	10,812	
	PS&Marketing Corporation(*3) SK O&S Co., Ltd.		2,860	9,225	478,124	1,193,402	338	580	
	(Formerly, Network O&S Co., Ltd.)		1,015	3,369	55,174	164,449	13,736	21,244	
	SK Planet Co., Ltd.		371	1,941	26,123	70,962	2,438	8,950	
	SK Telink Co., Ltd.(*4)		11,625	235,888	5,211	17,707	-	-	
	SERVICE ACE Co., Ltd.(*5)		2,013	13,425	34,292	98,864	-	-	
	SERVICE TOP Co., Ltd.(*6)		2,262	15,425	36,013	101,725	-	-	
	Eleven Street Co., Ltd.		855	6,378	1,478	4,546	-	-	
	Others (*7)	_	9,734	85,817	33,983	87,975	1,785	3,298	
		_	58,421	452,736	808,221	2,141,381	25,349	44,884	
Associates	F&U Credit information Co., Ltd.		288	872	13,291	35,066	-	-	
	SK hynix Inc.(*8)		6,585	238,983	19	195	-	-	
	KEB HanaCard Co., Ltd.		99	693	634	1,700	-	-	
	SK Wyverns Co., Ltd.		296	886	3,005	18,005	-	-	
	Others(*9)		219	8,350	3,014	9,174	-	37	
		-	7,487	249,784	19,963	64,140	-	37	
Other	SK Engineering & Construction Co., Ltd.	-	559	1,796	101	101	2,400	7,400	
	SK Innovation Co., Ltd.		5,680	10,920	952	1,345	2,400	7,400	
	SK Networks Co., Ltd.		680	2,651	3,793	1,545	_	443	
	SK Networks service Co., Ltd.		187	534	12,553	31,835	514	524	
	SK Telesys Co., Ltd.		53	154	252	695	4,429	11,723	
	SK TNS Co., Ltd.		50	154	11,317	22,352	75,923	189,978	
	SK energy Co., Ltd.		858	1,988	11,517	161		105,570	
	SKC Infra Services Co., Ltd.		44	58	1,933	6,142	_	186	
	SK E&S Co., Ltd.		457	1,423	1,555	101	_	100	
	Others		3,535	8,531	1,866	4,714	24,074	24,074	
	others	-	12,103	28,206	32,778	79,055	107,340	234,328	
		\\/ \\/							
		₩.	81,323	738,744	952,575	2,713,551	140,367	292,653	

For the nine-month periods ended September 30, 2019 and 2018

27. Transactions with Related Parties, Continued

- (3) Transactions with related parties for the three and nine-month periods ended September 30, 2019 and 2018 are as follows, Continued:
 - (*1) Operating expenses and others include lease payments by the Company.
 - (*2) Operating expenses and others include W216,241 million of dividends paid by the Company.
 - (*3) Operating expenses and others include ₩645,156 million paid to PS&Marketing Corporation relating to purchase of accounts receivables resulting from sale of handsets.
 - (*4) Operating revenue and others include \#199,995 million of dividend income received.
 - (*5) Operating revenue and others include \#7,499 million of dividend income received.
 - (*6) Operating revenue and others include \#8,900 million of dividend income received.
 - (*7) Operating revenue and others include W60,597 million of dividend income received from Life & Security Holdings Co., Ltd. and SK Infosec Co., Ltd.
 - (*8) Operating revenue and others include \219,151 million of dividend income received.
 - (*9) Operating revenue and others include ₩8,350 million of dividend income received from Korea IT Fund and UniSK.

For the nine-month periods ended September 30, 2019 and 2018

27. Transactions with Related Parties, Continued

(3) Transactions with related parties for the three and nine-month periods ended September 30, 2019 and 2018 are as follows, Continued:

		For the period ended September 30,					, 2018		
			Operating and o			g expense others	Acquisition of p equipn		
								Nine-	
Scope	Company	Thre	e-month	Nine-month	Three-month	Nine-month	Three-month	month	
Ultimate									
Controlling Entity	SK Holdings Co., Ltd.(*1)	₩	2,727	8,538	96,274	428,244	8,964	15,732	
Subsidiaries	SK Broadband Co., Ltd.	**	2,727 29,411	87,129	139,386	428,244	15,660	20,007	
	PS&Marketing Corporation(*2)		2,666	8,720	382,500	1,120,402	362	424	
	SK O&S Co., Ltd.		2,000	8,720	382,300	1,120,402	302	424	
	(Formerly, Network O&S Co., Ltd.)		1,099	3,153	53,988	159,855	12,332	22,382	
	SK Planet Co., Ltd.		4,578	18,969	12,921	26,944	771	938	
	SK Telink Co., Ltd.		13,669	42,802	5,725	16,951	-	-	
	SERVICE ACE Co., Ltd.		1,936	5,804	32,546	97,838	-	-	
	SERVICE TOP Co., Ltd.		2,111	6,403	35,894	115,211	-	-	
	Eleven Street Co., Ltd.		1,974	1,974	1,595	1,595	-	-	
	SK techx Co., Ltd.(*3)		812	3,373	11,961	96,258	9,782	11,064	
	Others(*4)		15,789	28,360	18,090	39,569	321	2,974	
			74,045	206,687	694,606	2,077,659	39,228	57,789	
Associates	F&U Credit information Co., Ltd.		393	1,181	11,296	34,553	-	-	
	HappyNarae Co., Ltd.		22	75	3,997	8,781	15,017	36,271	
	SK hynix Inc.(*5)		6,593	163,486	14	220	-	-	
	KEB HanaCard Co., Ltd.		3,149	12,087	3,773	11,615	-	-	
	Others(*6)		2,331	4,590	7,472	25,606	355	478	
			12,488	181,419	26,552	80,775	15,372	36,749	
Other	SK Engineering & Construction Co.,								
	Ltd.		542	2,500	-	134	-	-	
	SK Innovation Co., Ltd.		2,166	6,334	181	700	-	-	
	SK Networks Co., Ltd.		4,800	10,605	3,512	11,191	368	435	
	SK Networks Service Co., Ltd.		162	478	10,178	33,038	717	2,277	
	SK Telesys Co., Ltd.		36	139	200	639	18,882	46,080	
	SK TNS Co., Ltd.		25	75	10,915	17,672	91,420	180,587	
	SK energy Co., Ltd.		462	1,795	7	152	-	-	
	SKC Infra Services Co., Ltd.		8	41	2,181	6,651	421	927	
	SK Infosec Co., Ltd.		-	76	7,439	22,555	2,548	3,669	
	Others		2,471	8,230	1,380	3,865		-	
			10,672	30,273	35,993	96,597	114,356	233,975	
		₩	99,932	426,917	853,425	2,683,275	177,920	344,245	

For the nine-month periods ended September 30, 2019 and 2018

27. Transactions with Related Parties, Continued

- (3) Transactions with related parties for the three and nine-month periods ended September 30, 2019 and 2018 are as follows, Continued:
 - (*1) Operating expenses and others include \#203,635 million of dividends paid by the Company.
 - (*2) Operating expenses and others include ₩643,239 million paid to PS&Marketing Corporation relating to purchase of accounts receivables resulting from sale of handsets.
 - (*3) Transactions with SK techx Co., Ltd. that occurred before merger with SK Planet Co., Ltd.
 - (*4) Operating revenue and others include ₩10,090 million of dividends received from SK Global Healthcare Business Group, Ltd.
 - (*5) Operating revenue and others include ₩146,100 million of dividends received.
 - (*6) Operating revenue and others include ₩3,715 million of dividends received from Korea IT Fund and UniSK.

For the nine-month periods ended September 30, 2019 and 2018

27. Transactions with Related Parties, Continued

(4) Account balances with related parties as of September 30, 2019 and December 31, 2018 are as follows:

(In millions of won)

)		
			R	September 30, 2019 eceivables	Payables
				Accounts receivable –	Accounts payable –
Scope	Company		Loans	trade, etc.	other, etc.
Ultimate					
Controlling					
Entity	SK Holdings Co., Ltd.	₩	-	3,191	29,479
Subsidiaries	SK Broadband Co., Ltd.		-	7,575	41,573
	PS&Marketing Corporation		-	918	96,953
	SK O&S Co., Ltd.				
	(Formerly, Network O&S Co., Ltd.)		-	155	25,555
	SK Planet Co., Ltd.		-	384	17,894
	SK Telink Co., Ltd.		-	8,727	2,502
	SERVICE ACE Co., Ltd.		-	198	21,524
	SERVICE TOP Co., Ltd.		-	529	23,409
	Eleven Street Co., Ltd.		-	596	1,809
	One store Co., Ltd.		-	319	27,503
	SK m&service Co., Ltd.		-	2,128	6,131
	Others		-	1,012	25,089
		_	-	22,541	289,942
Associates	F&U Credit information Co., Ltd.		-	-	4,550
	SK hynix Inc.		-	1,181	, 1
	Wave City Development Co., Ltd.		-	31,523	
	Daehan Kanggun BcN Co., Ltd.(*)		22,147		
	KEB HanaCard Co., Ltd.			572	4,234
	Others		408		94
		_	22,555	33,276	8,879
Other	SK Engineering and Construction		22,335		0,075
other	Co., Ltd.		-	544	
	SK Innovation Co., Ltd.		_	4,712	23,433
	SK Networks Co., Ltd.		_	510	23,226
	SK Networks Services Co., Ltd.		_	510	3,270
	SK Telesys Co., Ltd.			26	594
	SK TNS Co., Ltd.		-	28 10	30,130
	SK Energy Co., Ltd.		-	265	50,130
	Others		-	205 1,949	4,614
	others	—			
		,. <i>.</i>	-	8,016	85,328
		₩	22,555	67,024	413,628

(*) As of September 30, 2019, the Company recognized the entire balance of loans to Daehan Kanggun BcN Co., Ltd. as loss allowances.

For the nine-month periods ended September 30, 2019 and 2018

27. Transactions with Related Parties, Continued

(4) Account balances with related parties as of September 30, 2019 and December 31, 2018 are as follows, Continued:

(In millions of won)

				18	
			F	Receivables	Payables
				Accounts receivable –	Accounts payable –
Scope	Company		Loans	trade, etc.	other, etc.
Ultimate					
Controlling				2.110	00.40
Entity	SK Holdings Co., Ltd.	₩	-	2,119	88,103
Subsidiaries	SK Broadband Co., Ltd.		-	7,637	69,069
	PS&Marketing Corporation		-	250	82,034
	SK O&S Co., Ltd. (Formerly, Network O&S Co., Ltd.)			35	42,68
			-		42,08
	SK Planet Co., Ltd.		-	1,003	
	SK Telink Co., Ltd.		-	8,353	4,62
	SERVICE ACE Co., Ltd.		-	123	24,62
	SERVICE TOP Co., Ltd.		-	138	30,77
	Eleven Street Co., Ltd.		-	2,086	3,14
	One Store Co., Ltd.		-	1,178	27,16
	SK m&service Co., Ltd.		-	3,366	5,89
	Others			401	28,77
				24,570	364,05
Associates	F&U Credit information Co., Ltd.		-	92	5,72
	SK hynix Inc.		-	12,840	8
	Wave City Development Co., Ltd.		-	37,263	
	Daehan Kanggun BcN Co., Ltd.(*)		22,147	-	
	KEB HanaCard Co., Ltd.		-	541	11,31
	Others		407	111	1,76
			22,554	50,847	18,88
Other	SK Engineering and Construction Co.,				
	Ltd.		-	441	76
	SK Innovation Co., Ltd.		-	2,297	79
	SK Networks Co., Ltd.		-	1,226	32
	SK Networks Services Co., Ltd.		-	11	7,84
	SK Telesys Co., Ltd.		-	19	4,16
	SK TNS Co., Ltd.		-	-	78,42
	SK Energy Co., Ltd.		-	790	10
	Others		-	1,732	4,59
				6,516	97,01
		₩	22,554	84,052	568,059

(*) As of December 31, 2018, the Company recognized the entire balance of loans to Daehan Kanggun BcN Co., Ltd. as loss allowances.

(5) The details of the additional investments and disposal of subsidiaries and associates for the nineperiod ended September 30, 2019 are described in note 8.

For the nine-month periods ended September 30, 2019 and 2018

28. Commitments and Contingencies

(1) Accounts receivables from sale of handsets

The sales agents of the Company sell handsets to the Company's subscribers on an installment basis. The Company entered into comprehensive agreements to purchase accounts receivables from handset sales with retail stores and authorized dealers, and to transfer the accounts receivables from handset sales to special purpose companies which were established with the purpose of liquidating receivables, respectively.

The accounts receivables from sale of handsets amounting to W916,844 million as of September 30, 2019 which the Company purchased according to the relevant comprehensive agreement are recognized as accounts receivable – other and long-term accounts receivable – other.

(2) Legal claims and litigations

As of September 30, 2019, the Company is involved in various legal claims and litigation. Provision recognized in relation to these claims and litigation is immaterial. In connection with those legal claims and litigation for which no provision was recognized, management does not believe the Company has a present obligation, nor is it expected any of these claims or litigation will have a significant impact on the Company's financial position or operating results in the event an outflow of resources is ultimately necessary.

For the nine-month periods ended September 30, 2019 and 2018

29. Statements of Cash Flows

(1) Adjustments for income and expenses from operating activities for the nine-month periods ended September 30, 2019 and 2018 are as follows:

		For the nine-mon	th period ended
	-	September 30, 2019	September 30, 2018
Gain on foreign currency translations	₩	(3,717)	(894)
Interest income		(26,157)	(30,673)
Dividends		(514,399)	(177,490)
Gain relating to financial assets at FVTPL		(840)	(2,179)
Gain on disposal of property and equipment and intangible assets		(4,609)	(1,520)
Gain relating to financial liabilities at FVTPL		(56)	-
Gain on valuation of derivatives		(465)	(1,423)
Gain on settlement of derivatives		(389)	-
Gain on sale of accounts receivable – other		(14,353)	(17,341)
Other income		(109)	-
Loss on foreign currency translations		3,347	615
Bad debt for accounts receivable – trade		2,770	11,756
Bad debt for accounts receivable – other		2,543	2,438
Loss relating to financial assets at FVTPL		180	589
Depreciation and amortization		2,084,176	1,869,119
Loss on disposal of property and equipment and intangible assets		10,574	25,683
Loss on impairment of property and equipment and intangible assets		63	-
Interest expenses		186,878	173,723
Loss relating to financial liabilities at FVTPL		43	1,143
Loss on settlement of derivatives		317	12,156
Loss on investments in subsidiaries and associates		-	12,977
Loss on sale of accounts receivable – other		560	-
Retirement benefit expenses		33,538	30,047
Share option		228	441
Income tax expense		215,081	255,808
Other expenses	_	3,600	1,104
	₩	1,978,804	2,166,079

For the nine-month periods ended September 30, 2019 and 2018

29. Statements of Cash Flows, Continued

(2) Changes in assets and liabilities from operating activities for the nine-month periods ended September 30, 2019 are as follows:

(In millions of won)

	For the nine-month period ended		
	Se	ptember 30, 2019	September 30, 2018
Accounts receivable – trade	₩	(144,571)	(346,574)
Accounts receivable – other		(56,105)	373,035
Advance payments		(87,811)	(2,754)
Prepaid expenses		(260,393)	55,681
Inventories		933	4,043
Long-term accounts receivable – other		(254,742)	(30,554)
Long-term prepaid expenses		(355,006)	-
Guarantee deposits		1,253	(6,188)
Contract assets		(5,956)	(7,608)
Accounts payable – other		260,891	(133,672)
Withholdings		(36,671)	(38,351)
Deposits received		(744)	539
Accrued expenses		81,845	(98,810)
Provisions		(524)	(3,874)
Long-term provisions		-	2,501
Plan assets		1,868	7,155
Retirement benefit payment		(11,610)	(6,513)
Contract liabilities		18,898	6,815
Others		8,290	(4,981)
	₩	(840,155)	(230,110)

(3) Significant non-cash transactions for the nine-month periods ended September 30, 2019 and 2018 are as follows:

(In millions of won)				
		For the nine-month period ended		
		September 30, 2019	September 30, 2018	
Decrease in accounts payable – other relating to the acquisition of				
property and equipment and intangible assets	₩	(13,429)	(429,670)	
Increase of right-of-use assets upon adoption of K-IFRS 1116		339,029	-	