

Financial Statements 2020

SIX SIS Ltd



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Balance Sheet

CHF 1,000	Notes	31/12/2020	31/12/2019
Assets		2 25 4 502	2 001 065
Liquid assets		2,254,593	2,901,065
Amounts due from banks		1,026,628	671,258
thereof custodians		895,438	454,996
Amounts due from securities financing transactions	1	1,596,767	1,311,382
Amounts due from customers	2	1,289	1,372
Positive replacement values of derivative financial instruments	3	1,126	412
Accrued income and prepaid expenses		11,941	10,510
Participations		1,320	1,320
Tangible fixed assets		34,355	28,666
Other assets	4	80,252	4,213
Total assets		5,008,272	4,930,199
Liabilities and equity			
Amounts due to banks		3,573,623	3,888,879
thereof collaterals		1,855,525	2,161,251
Liabilities from securities financing transactions	1	572,216	173,126
Amounts due to customers		475,361	558,174
Negative replacement values of derivative financial instruments	3	1,667	767
Accrued expenses and deferred income		15,940	14,991
Other liabilities	4	97,242	38,619
Provisions	7	544	694
Share capital	8	26,000	26,000
Statutory reserves			
Tax-exempt capital contribution reserve		5,000	5,000
Statutory retained earnings		18,300	18,300
Voluntary reserves			,
Other voluntary reserves		163,100	63,100
Retained earnings		12,549	99,608
Profit for the year		46,729	42,942
Total liabilities and equity		5,008,272	4,930,199

Income Statement

CHF 1,000	Notes	2020	2019
	_		
Interest and discount income		-13,912	8,084
Interest income from financial investments		336	_
Interest expenses		34,414	24,116
Gross result from interest operations		20,837	32,200
Changes in value adjustments for default risks		-	
Result from interest operations	20	20,837	32,200
Commission income from clearing & settlement		237,779	219,687
Commission income from other services		12,604	12,651
Commission expenses		-65,267	-61,223
Result from commission business and services		185,116	171,115
Result from trading activities	15	210	557
Result from sale of financial instruments	_	-57	-
Other ordinary income		8,687	8,822
Result from other ordinary activities		8,630	8,822
Personnel expenses	16	-42,713	-42,066
General and administrative expenses	17	-115,274	-126,350
Operating expenses		-157,987	-168,415
Changes in value adjustments on participations and depreciation of tangible fixed assets	_	-1,240	-763
Changes to provisions and other value adjustments, and losses	7	141	150
Operating result		55,707	43,665
Extraordinary income	18	_	10,000
Taxes	19	-8,978	-10,723
Profit for the year		46,729	42,942
Appropriation of profit			
Profit carried forward from the previous year		12,549	99,648
Merger		-	-40
Distributable profit		59,279	142,549
Dividend		-45,000	-130,000
Profit carried forward		14,279	12,549

Statement of Changes in Equity

	Statutory reserves Voluntary reserves			Statutory reserves			
CHF 1,000	Share capital	From capital contributions	From retained earnings	Other voluntary reserves	Retained earnings	Profit for the year	Total
1 January 2020	26,000	5,000	18,300	63,100	99,608	42,942	254,949
Appropriation of profit					42,942	-42,942	-
Capital contributions				100,000			100,000
Dividends					-130,000		-130,000
Profit for the year						46,729	46,729
31 December 2020	26,000	5,000	18,300	163,100	12,549	46,729	271,679
1 January 2019	26,000	5,000	18,300	63,100	99,432	40,216	252,048
Appropriation of profit					40,216	-40,216	-
Dividends					-40,000		-40,000
Merger ¹					-40		-40
Profit for the year						42,942	42,942
31 December 2019	26,000	5,000	18,300	63,100	99,608	42,942	254,949

 $^{\rm 1}$ As of 1st January 2019 SIX SIS Nominee U.K. Ltd was merged into SIX SIS Ltd

Notes to the Financial Statements

General Information

SIX SIS Ltd's core business is the settlement of securities transactions and the safe custody and administration of securities both in Switzerland and abroad. As the national central securities depository (CSD) for Switzerland, the company is a key element of the Swiss Value Chain. It provides securities settlement on a simultaneous, final and irrevocable delivery versus payment basis. By playing the role of an international central securities depository (ICSD), SIX SIS Ltd also offers a wide range of customized global custody services for financial institutions around the world.

To facilitate the settlement of securities transactions, particularly cross-border, national and international market participants and foreign custodians hold accounts in various currencies with SIX SIS Ltd. Interim financing as a means of guaranteeing the smooth settlement of securities transactions is exclusively short-term in nature and provided on a collateralized basis; commercial financing is not provided. At year-end 2020, SIX SIS Ltd had 277.2 employees on a full-time equivalent basis (year-end 2019: 288.9).

SIX SIS Ltd is licensed as a CSD under the Swiss Financial Market Infrastructure Act (FMIA) and is subject to the supervision of the Swiss Financial Market Supervisory Authority (FINMA). Pursuant to the National Bank Act, it is also supervised by the Swiss National Bank (SNB) with respect to systemic risks.

Risk management for SIX SIS Ltd is performed by dedicated risk management teams in the centralized Chief Risk Officer (CRO) unit of SIX Group Services Ltd. However, the operational monitoring of credit limits is carried out by SIX SIS Ltd. SIX SIS Ltd has outsourced the operation and maintenance of its data center to SIX Group Services Ltd. The outsourcing arrangements with SIX Group Services Ltd are governed by service level agreements in compliance with FINMA regulations and their staff members are required to maintain banking secrecy.

Key figures

	2020	2019
Number of settlement transactions (in 1,000)	53,164	40,983
Average deposit volume per month (in CHF million)	3,522,902	3,413,999

Board of Directors

Thomas Zeeb	
Christoph Landis	
Josef Landolt	
Daniel Schmucki	
Andreas Wolf	

Chairman Member Member Member Member

Addresses

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Risk Management

Risk Governance

As a part of SIX, SIX SIS Ltd is an important pillar of the Swiss financial center, laying great emphasis on reliability and security, and creating the trust that is essential for the financial center's smooth functioning.

The Board of Directors (BoD) of SIX bears the ultimate responsibility for the supervision of the overall risk situation, approves the overall risk policy and decides on risk appetite limits. The Risk Committee of the BoD of SIX acts as a representative of the BoD; it approves the risk governance, organization and methodologies, and reviews their implementation, adequacy and effectiveness. The Executive Board (ExB) of SIX has the ultimate operational decision-making authority concerning risk matters. As a member of the ExB, the Chief Risk Officer bears the ultimate responsibility for the independent oversight of the overall risk situation. He is in charge of the "second line of defense" functions for Risk Management, Security and Compliance.

The Board of Directors of SIX SIS Ltd acknowledges and supervises the risk governance, organization and management of SIX SIS Ltd and approves the adequacy and effectiveness of the internal control system.

A "three lines of defense" governance model forms the basis of the risk governance framework. Each line has its specific role and responsibilities. Close collaboration between all lines ensures the identification, assessment and mitigation of risks. Senior executives of SIX SIS Ltd, as the "first line of defense", are accountable for managing the specific risks faced by business management. They maintain effective processes and manage their risks properly, including comprehensive controls and documented procedures.

The Chief Risk Officer (CRO) of SIX SIS Ltd., who is a member of the Management Committee of SIX SIS Ltd., is part of the second line of defense and reponsible for risk control measures and thereby supported by dedicated risk management teams.

Independent assurance providers such as Internal Audit form the "third line of defense", supervising the overall risk situation, internal controls and risk management. They monitor risk management and controlling to evaluate their effectiveness, including an assessment of how the first and second lines of defense meet their risk objectives. Pursuant to the National Bank Act and the Swiss Financial Market Infrastructure Act, SIX SIS Ltd is supervised by the Swiss Financial Market Supervisory Authority and the Swiss National Bank. The legal and compliance functions within SIX are responsible for implementing the instructions and requirements issued by the legislator, the supervisor and other relevant institutions. They ensure that the business management of SIX SIS Ltd complies with due diligence and meets the current rules, regulations and obligations of a financial intermediary.

Risk Groups

Strategic Risk and Business Risk

Strategic risk and business risk arise both from the implementation of SIX SIS Ltd's strategy and from the implementation of the strategies on SIX Group level. They comprise the danger of external and internal events or decisions resulting in strategic and business objectives not being attained. Strategic risk and business risk are the responsibility of the ExB of SIX and of the Management Committees of the subsidiaries. They are reviewed semiannually based on their risk profiles.

Reputational Risk

Reputational risk involves the risk of the reputation of SIX SIS Ltd being tarnished and of negative perception impacting business relations. As reputational risk is largely inherent in business activities, reputational risk management mainly consists of ensuring competency, integrity, responsibility and compliance. Reputational risk management includes all operational and strategic management instruments of SIX SIS Ltd, in particular financial reporting, monitoring of key performance figures and surveys of client and staff satisfaction. Besides a number of measures to mitigate potential reputational risk, a well-established emergency organization system ensures that in the event of a crisis, potential reputational risks are identified and handled with due care.

Credit Risk (Counterparty Risk, Default Risk)

Credit risk, counterparty risk or default risk is defined as the danger of a loss caused by a counterparty not fulfilling its contractual obligations. This notably includes settlement risk, i.e. the risk that a counterparty does not deliver a security or its value in cash as per the trade agreement. Within SIX SIS Ltd, credit exposures mainly relate to short-term interim financing undertaken for the purpose of settling securities transactions. With the exception of a few counterparties, such as the Swiss National Bank or SIX affiliates, all short-term financing for settlement purposes is fully covered by collateral in the form of cash and securities eligible for SNB repos.

SIX SIS Ltd applies a conservative risk and credit policy. New clients of SIX SIS Ltd are required to meet strict regulatory standards. Clients that are not subject to adequate financial institution and money laundering regulation and supervision are not accepted.

Credit risk management is effected via limits granted to clients by the relevant bodies within SIX pursuant to the competency rules. Every participant with a credit limit is subject to an initial credit risk assessment and rating assignment and a periodic review. No credit limits are granted without a prior risk assessment and rating assignment. Any credit limit is assessed and approved by an independent authority that is independent from the risk manager preparing the credit application. The credit limits are monitored constantly to ensure that the risk profile is always in line with the SIX SIS Ltd risk appetite and policy.

SIX SIS Ltd applies a risk-based approach for defining the frequency of counterparty reviews. Every counterparty has been assigned to a risk group. The depth and frequency of the review depends on the affiliation of the counterparty to the specific risk group. Counterparties in a higher risk group (high risk equivalent, poor credit rating) are reviewed more often and monitored more closely than those in a lower risk group.

The credit risk exposures of SIX SIS Ltd (and hence the allocation of counterparties to risk groups) are determined by the following two dimensions:

- Creditworthiness: The credit exposure borne by SIX SIS Ltd is influenced in part by the credit standing of the counterparty that gives an indication of its probability of default. The counterparty's credit standing is measured by its credit rating.
- Risk equivalent: The credit exposure borne by SIX SIS Ltd is also driven by the amount that is at risk in a default scenario. The amount at risk is expressed by the "risk equivalent", which is a conservative estimate of the amount of credit loss that might occur in a default scenario after considering collateral and other factors that would mitigate the amount of losses incurred.

SIX SIS Ltd is linked online and in real time with SIX Swiss Exchange and with the SIC/euroSIC systems. The system of real-time settlement of irreversible transactions on the basis of simultaneous delivery versus payment (DVP) offers the best guarantee of eliminating settlement risk. This system does not function for cross-border securities transactions, however. The resulting receivables from and liabilities towards banks are subject to counterparty risk and market risk. These risks, which are of extremely short duration, are fully collateralized and strictly monitored through detailed procedures for managing limits.

In addition to pre-financing for settlement purposes, counterparty risk can be a result of treasury activities, whereas credit exposures are managed on an uncollateralized basis because no or insufficient collateralized alternatives, such as reverse repo investments, are available. Uncollateralized treasury placements or FX transactions are in any case managed through counterparty ratings and limits.

Market Risk

According to Basel III, market risk is defined as "the risk of loss arising from movements in market prices" and comprises the risk of a loss due to value fluctuations of a position triggered by a change in the underlying factors (e.g. equity or commodity prices, exchange rates and interest rates and their respective volatilities). Market risk exposure of SIX SIS Ltd primarily relates to the prefinancing of cross-border settlements and to treasury investments such as bond purchases.

Market risk exposure may arise from cross-border settlements if a participant of SIX SIS Ltd were to default. This type of risk is managed by a settlement line. The settlement line controls the volume of cross-border settlement instructions transmitted for an individual client. With every cross-border instruction forwarded, a settlement margin of the overall transaction volume is charged against the settlement line.

Liquidity Risk

Liquidity risk basically relates to the inability to meet payment obligations when they are due. Under normal market circumstances SIX SIS Ltd is not exposed to any significant liquidity risk. In stressed market conditions, however – e.g. in the event of a participant default – SIX SIS Ltd may be subject to substantial liquidity requirements. In particular, a scenario in which clearing members default and fail to meet their payment obligations may create a large liquidity demand for SIX SIS Ltd as liquidity provider for SIX x-clear Ltd and therefore give rise to liquidity risk.

Another source of liquidity risk for SIX SIS Ltd results from cross-border settlements of its own participants. In the event of the default of a SIX SIS Ltd participant, SIX SIS Ltd has an obligation to fulfill matched receipt versus payment (RVP) instructions in cross-border markets from T+1 until the value date (usually until T+2) if no agreement can be reached with the counterparty regarding bilateral cancellation.

Under normal conditions, the liquidity of SIX SIS Ltd is managed by Treasury as part of their daily operation.

Due to the interconnectedness of SIX x-clear Ltd and SIX SIS Ltd, in a stress scenario the contingent liquidity risk is monitored at the aggregated level of SIX Securities Services by:

- Monitoring the aggregated stressed liquidity balances of SIX x-clear Ltd and SIX SIS Ltd, assuming (as a stress assumption) the default of the two participant groups causing the largest payment obligation.
- Providing a waterfall of available liquidity resources that could be drawn in the event of a liquidity shortage. The available liquidity resources mainly consist of cash and securities collateral provided by the participants. Securities may be turned into cash through use of the interbank repo market or at the central bank.

Interest Rate Risk

SIX SIS Ltd does not engage in conventional credit business and does not enter into material medium-term or long-term fixed interest transactions. However, interest rate fluctuations resulting from short-term investments may influence the treasury result.

Foreign Exchange Risk

In principle, SIX SIS Ltd does not hold any relevant foreign currency positions for its own account. In addition, all receivables from and liabilities towards clients and custodians are matched by currency. Therefore, foreign exchange risks are generally limited to the net amounts from interest received and paid, commissions and fees.

Non-Counterparty-Related Risk

Non-counterparty-related risk is defined as the danger of a loss due to value changes or liquidation of assets that are not related to a specific counterparty. This category includes positions that concern the actual infrastructure for business activities. In particular, it includes office buildings, sundry tangible fixed assets, software and other assets subject to depreciation.

Non-counterparty-related risks are accounted for through adequate depreciation and insurance.

Operational Risk

According to Basel III, operational risk is defined as "the risk of loss resulting from inadequate or failed internal processes, people and systems or from external events". The definition also covers all legal risks, including fines from supervisory bodies and settlements. However, strategic risks and reputational risks are excluded.

To ensure reliability as a key pillar of the Swiss financial center, SIX SIS Ltd has implemented the systematic management of operational risks. Operational risk management is regulated in a framework that defines all responsibilities and processes as well as the risk appetite and risk tolerance. The framework is based on the "Principles for the Sound Management of Operational Risk" issued by the Basel Committee on Banking Supervision and the "Principles for Financial Market Infrastructure" issued by CPMI-IOSCO. The Board of Directors of SIX SIS Ltd conducts an annual review of the framework which, in conjunction with the supporting directives, forms the basis for the management of operational risks.

Operational risks are assessed by determining the potential damage. The direct financial loss is calculated, then the potential future financial impact in terms of a loss of client trust and reputational risks is also taken into account. Any risks identified and cases of damage, along with the losses incurred, are tracked in a database and linked to the internal control system in order to systematically identify risks and support ongoing risk assessment.

Operational risk management is a task assumed at all management levels. Operational risks are limited by means of internal regulations and directives on organization and control. These allow operational risks to be tracked and reduced through systematic risk controls. These risk controls include a mechanism that enables the risk management team to identify and eliminate risks before they actually occur. As a second line of defense, the risk management team also considers instruments to reduce the effective risks. In an annual assessment, all departments evaluate the appropriateness and operational effectiveness of the internal control system and adapt it where necessary.

Business processes are reviewed continuously by the risk management team to identify and assess potential risks. The team also defines measures to further decrease operational risks. The risks identified and measures defined to minimize the risks are regularly reported to the Board of Directors and the management of SIX SIS Ltd. Business process risks are also systematically assessed by Internal Audit and adequate measures are implemented.

The risk inherent in relying on information technology is addressed by SIX SIS Ltd's business continuity planning, which is in line with customary industry practice and includes measures aimed at reducing the probability of such failures occurring, such as by maintaining an IT back-up center. Corresponding measures on the part of our outsourcing partners are subject to contractual agreements. Business contingency management is tested annually to ensure its effectiveness. The results of this testing are reported to the Board of Directors and the management of SIX SIS Ltd. Improvement measures are also summarily approved by the Board of Directors and the management.

Operational risks are backed with capital according to the basic indicator approach under Basel III.

Financial Crime Risk

The securities industry is exposed to financial crime risk. SIX SIS Ltd proactively identifies, monitors, manages, mitigates and reports potential legal and compliance risks, which includes but is not limited to detecting and preventing money laundering, enforcing terrorist financing regulation and implementing controls in respect of international sanctions regimes. A risk-based program including optimized controls, detection and monitoring systems and procedures designed to reduce vulnerabilities associated with financial crime risk has been implemented.

Accounting and Valuation Policies

Amounts shown in the financial statements have been rounded. The totals may therefore deviate from the sum of the individual values.

General Principles

The accounting, reporting and valuation principles for SIX SIS Ltd comply with the provisions of the Swiss Code of Obligations (CO), the accounting rules of the Swiss banking ordinance, the accounting rules of the FINMA ordinance (ReIV-FINMA) and the accounting rules for banks of the Swiss Financial Market Supervisory Authority (ARB FINMA circ. 2020/1) for statutory single-entity financial statements with reliable assessment.

RelV-FINMA and ARB FINMA circ. 2020/1 are applied pursuant to an individual FINMA ruling. The financial statement reporting date is 31 December. In general, business transactions are recorded using the trade date accounting principle. Detail positions reported under a specific balance sheet item are valued item-by-item.

In line with art. 86 of RelV-FINMA, certain information is disclosed in the consolidated financial statements of SIX Group only.

Foreign Currency Translation

Transactions in foreign currencies are posted at the current exchange rates. Balance sheet items in foreign currencies are translated into Swiss francs at the exchange rates applicable on the balance sheet date if no historical valuation is applicable (i.e. participations). Income statement items are translated on the basis of daily rates. Exchange rate gains or losses are credited or debited to the income statement.

	EUR	USD	GBP	JPY	NOK	CAD
Unit	1	1	1	100	100	1
Exchange rate as at current year-end	1.08	0.88	1.20	0.86	10.32	0.69
Exchange rate as at previous year-end	1.08	0.97	1.27	0.89	10.98	0.74

Liquid Assets

Liquid assets are measured at their nominal value.

Amounts Due to and from Banks and Customers

Receivables and liabilities are recorded at their nominal values less necessary value adjustments.

Receivables from and liabilities towards banks arise mainly from settlement activities with banks and financial organizations in Switzerland and abroad. SIX SIS Ltd holds accounts with custodians for settlement purposes. The total amount due from custodians is disclosed in the balance sheet as "thereof custodians" in the line item "Amounts due from banks". The remaining accounts mainly consist of regular bank accounts and vostro money accounts of central counterparties (CCP) and participants. Those accounts are primarily used for settlement activities. In order to reduce risks in connection with open or late settlement, SLB or repo transactions, parts of the liabilities towards banks are pledged in favor of SIX SIS Ltd. The cash collateral delivered by participants is disclosed in the balance sheet as "thereof collaterals" in the line item "Amounts due to banks".

Amounts Due from and Liabilities from Securities Financing Transactions

In accordance with the accounting guidelines, the substance over form principle applies for securities lending and repurchase transactions.

Securities Lending and Borrowing

SIX SIS Ltd lends and borrows securities for its own account and risk (principal status). The receivables and liabilities arising from the lending or borrowing of nonmonetary instruments are valued at market value. Lending transactions in securities or money market papers are treated like repurchase agreements, provided they are covered by cash collateral and subject to daily margining. Lending transactions in securities or money market papers that are not covered by cash collateral are not included in the balance sheet, but disclosed in the notes. If the borrowed securities are resold, a nonmonetary liability is recognized. Fees paid and received are shown under commission income.

Repurchase and Reverse Repurchase Agreements

Repurchase agreements are shown in the balance sheet as cash deposits against pledge of own securities. Reverse repurchase agreements are treated as loans covered by securities collateral. This emphasizes the nature of such transactions as financing instruments. The transfer of securities is treated as if the securities had been pledged as collateral to cover the loan. Interest paid and received is shown in the result from interest operations.

Positive and Negative Replacement Values of Derivative Financial Instruments

SIX SIS Ltd does not engage in trading activities for its own account. Replacement values arise from the market valuation of liabilities from borrowed securities and from foreign currency forwards to mitigate SIX SIS Ltd's exposure to foreign exchange risk arising from operational activities.

Participations

Participations are valued according to their acquisition cost. All participations are regularly assessed with respect to a possible impairment of their value.

Tangible Fixed Assets

Tangible fixed assets are shown in the balance sheet at cost less necessary depreciation. Depreciation is calculated using the straight-line method. All tangible fixed assets are regularly assessed with respect to a possible impairment of their value.

The following depreciation rates are applied:

Asset class	Estimated lifetime	Depreciation rate	
Installations	7	14%	
Furnishings and equipment	5	20%	
Hardware	5	20%	
Buildings and building installations	35	3%	
Land	not depreciated	0%	
Software	3–5	20-33%	

Provisions

Provisions are created for operational risks on the basis of the expected resource outflow.

Pension Benefit Obligations

Pension benefit obligations are treated according to Swiss GAAP FER 16. SIX SIS Ltd offers defined contribution plans.

Other Assets and Liabilities

Other assets and other liabilities are shown at their nominal value.

Off-Balance-Sheet Transactions

Off-balance-sheet transactions requiring disclosure concern irrevocable commitments.

Taxes

Current taxes for the year under review are reported on an accrual basis.

Value adjustments for undoubtful financial assets

SIX SIS Ltd recognizes loss allowances for expected credit losses (ECL) on the following financial assets:

- Liquid Assets
- Amounts due from banks
- Amounts due from customers
- Financial Investments

SIX SIS Ltd measures the loss allowances at an amount equal to 12-month ECL (Stage 1), except for the following assets, for which the loss allowance is measured at an amount equal to lifetime ECL (Stage 2):

- Invoiced amounts due from banks and customers including operating lease receivables (simplified approach according to IFRS 9)
- Financial assets on which credit risk has increased significantly since initial recognition

When a default event occurs, the loss allowance is measured at an amount equal to lifetime ECL and the financial asset is presented as credit-impaired (Stage 3).

SIX SIS Ltd applies the "low credit risk" simplification in order to track the increase in credit risk. A low credit risk is assumed when the credit rating of a financial asset is equivalent to the globally understood definition of "investment grade" (i.e. a Standard & Poor's rating of BBB– or higher).

The creation and release of loss allowances are recognized in "Changes to provisions and other value adjustments, and losses".

The amount of expected credit losses is updated at each reporting date to reflect changes in credit risk since initial recognition of the respective financial assets. SIX SIS Ltd writes off a financial asset when the collection activities are completed and there is no realistic prospect of recovery. This is generally the case when SIX SIS Ltd receives evidence of insolvency (e.g. loss certificate). Financial assets that are written off can still be subject to enforcement activities even if recovery is very unlikely.

Changes in Accounting and Valuation Policies

Since 1st January 2020 the new accounting ordinance for banks RelV-FINMA and the revised FINMA circular 20/1 "accounting for banks" are in force. The new rules require value adjustments for undoubtful receivables and offbalance sheet transactions for risks where no provisions for probable and reliably estimated cash outflows were built. The methods for identification of default risks and determination of value adjustments are described in the accounting and valuation policies. SIX SIS Ltd already applied the expected credit loss method according to IFRS 9 in the previous year.

Information on the Balance Sheet

1. Securities Financing Transactions

CHF 1,000	31/12/2020	31/12/2019
Book value of receivables from cash collateral delivered in connection with securities	1,596,767	1,311,382
borrowing and reverse repurchase transactions ¹		
Book value of obligations from cash collateral received in connection with securities	362,405	85,681
lending and repurchase transactions ¹		
Book value of securities lent in connection with securities lending or delivered as collateral	93,288	163,271
in connection with securities borrowing as well as securities in own portfolio transferred		
in connection with repurchase agreements		
with unrestricted right to resell or pledge	93,288	77,559
Fair value of securities received and serving as collateral in connection with securities lending	1,926,907	1,492,715
or securities borrowed in connection with securities borrowing as well as securities received		
in connection with reverse repurchase agreements with an unrestricted right to resell or repledge		
of which repledged securities	-	-
of which resold securities	209,811	87,445

¹ Before netting agreements

Breakdown of Book Value by Transaction Type

CHF 1,000	31/12/2020	31/12/2019
Reverse repurchase agreements	1,596,767	1,311,382
Total amounts due from securities financing transactions	1,596,767	1,311,382
Repurchase agreements	362,405	85,681
Obligation to return resold securities received in connection with securities borrowing transactions	209,811	87,445
Total liabilities from securities financing transactions	572,216	173,126

2. Collateral for Loans, Receivables and Off-Balance-Sheet Transactions as well as Impaired Loans and Receivables

CHF 1,000	31/12/2020	31/12/2019
Amounts due from customers		
Amounts due from customers (unsecured, before netting with value adjustments)	1,289	1,373
of which impaired	-	-0
Total before offsetting with value adjustments	1,289	1,373
Total after offsetting with value adjustments	1,289	1,372

3. Derivative Financial Instruments

		3 Trading in				
CHF 1,000	Positive replacement values	Negative replacement values	Contract volumes			
Interest rate instruments						
Forward contracts	3	78	3,674			
Foreign exchange products						
Forward contracts	1	2	1,949			
Equity securities and indices						
Forward contracts	1,122	1,586	206,183			
Total before netting agreements	1,126	1,667	211,806			
Previous year	412	767	114,704			
Recognized netting agreements			-			
Total after recognized netting agreements	1,126	1,667	211,806			
Previous year	412	767	114,704			
Unrecognized netting agreements	-	_	_			
Total after netting agreements	1,126	1,667	211,806			
Previous year	412	767	114,704			

SIX SIS Ltd does not engage in trading activities for its own account. The derivative financial instruments arise from liabilities from borrowed securities and from foreign currency forwards to mitigate SIX SIS Ltd's exposure to foreign exchange risk arising from operational activities.

No internal model was used to calculate the fair values of the derivative financial instruments.

Breakdown by Counterparty

	Central clearing	D	T I
CHF 1,000	houses	Banks	Total
Positive replacement values (after netting agreements)	958	168	1,126

4. Other Assets and Liabilities

		Other liabilities		
CHF 1,000	2,330 1,863 75,812 - 1,926 2,019 183 332	31/12/2020	31/12/2019	
SECOM settlement accounts	2,330	1,863	7,019	28,278
OFAC accounts ¹	75,812	-	75,812	-
Indirect taxes	1,926	2,019	13,485	9,331
Sundry assets and liabilities	183	332	925	1,009
Total	80,252	4,213	97,242	38,619

¹ Assets from beneficial owners which are under sanctions of the Office of Foreign Asset Control (OFAC) are blocked at foreign custodians until sanctions are released. Corporate actions on such assets are also blocked and resulting in SIX SIS Ltd having a receivable against the foregin custodian and a liability against the financial institution of the beneficial owner.

5. Assets Pledged or Assigned to Secure Own Commitments

As at the balance sheet date, no assets were pledged or assigned to secure own commitments.

6. Pension Funds

Employer Contribution Reserves

CHF 1,000	Notes	31/12/2020	31/12/2019
Nominal value as at previous year-end		5,634	5,634
– creation		-	-
– transfer to/from other group entities		-	-
– withdrawal		-	-
- utilization		-	-
Nominal value as at current year-end		5,634	5,634
of which with waiver of use		5,634	5,634
Value adjustments offset	7	-5,634	-5,634
Net value as at current year-end		-	-

The influence of employer contribution reserves on personnel expenses was CHF 0 (previous year: CHF 0).

Economic Benefit from Surplus Cover and Pension Fund Expenses

SIX SIS Ltd is connected to the pension fund of SIX Group. The coverage ratio of the Occupational Benefits Foundation of SIX was 117.2% as at the last audited financial statements (2019). SIX SIS Ltd does not gain any economic benefits in the event of surplus cover. SIX SIS Ltd offers defined contribution plans. As at the balance sheet date, SIX SIS Ltd had no liabilities in excess of the regulatory contributions. The Occupational Benefits Foundation of SIX does not hold any equity instruments of SIX SIS Ltd.

Pension fund expenses amounted to CHF 3,567 thousand in the current year (previous year: CHF 3,460 thousand).

7. Value Adjustments and Provisions

CHF 1,000	Balance at previous year-end	Use in conf. with designated purpose	Recoveries	Foreign exchange translation differences	New creations charged to income	Releases to income	Balance at current year-end
Provisions for operational risks ¹	-	_	-	-3	74	-71	-
Other provisions	694	-	-	-	-	-150	544
Total provisions	694	-	-	-4	74	-221	544
Value adjustments for doubtful receivables	0	-	-	-	9	-10	-0
Value adjustments for expected losses	6	-	-	-	6	-	12
Value adjustments for employer contribution reserves (offset) ²	5,634	-	-	-	-	-	5,634
Value adjustments	5,640	-	-	-	15	-10	5,646

¹ Provisions for operational risks are calculated on the basis of actual operational risks. ² Employer contribution reserves with waiver of use (CHF 5,634.4 thousand, see note 6).

8. Share Capital and Significant Shareholders

1,000 units/CHF 1,000	Number of shares	Total nominal value	Capital eligible for dividend
Share capital at previous year-end	260	26,000	26,000
Share capital at current year-end	260	26,000	26,000

All registered shares and therefore all voting rights (1 share = 1 vote) of SIX SIS Ltd are held by its parent company, SIX Securities Services Ltd. The share capital is fully paid in. As there is no capital increase planned, no authorized or conditional capital exists.

SIX Securities Services Ltd is wholly owned by SIX Group Ltd. 121 national and international financial institutions hold shares in SIX Group Ltd, but no owner holds more than 20% of SIX Group Ltd's total equity. The shares are distributed such that no owner or type of bank has an absolute majority. All shareholders are bound by a shareholders' agreement.

Therefore, no securities are held by executives, directors or employees. Furthermore, no employee participation scheme is in place.

The statutory reserves below 50% of the nominal share capital are not freely distributable and may only be used to cover losses.

Shareholders with more than 5% of all voting rights in SIX Group Ltd

		31/12/2020		31/12/2019
CHF 1,000/in %	Nominal value	% of equity	Nominal value	% of equity
UBS AG consolidated	3,380	17.3	3,380	17.3
Credit Suisse Group consolidated	3,141	16.1	2,919	15.0
Raiffeisen Group consolidated	1,074	5.5	1,074	5.5

9. Amounts Due From/To Related Parties

All transactions with related parties and other entities of SIX Group Ltd are conducted at prices in line with the market ("at arm's length").

		Assets		Liabilities
CHF 1,000	31/12/2020	31/12/2019	31/12/2020	31/12/2019
SIX Securities Services Ltd	2	-	17,285	51,777
SIX x-clear Ltd	106,616	26,590	662,940	305,333
Other entities of SIX Group	385,337	280,227	8,152	11,279
Indirect shareholder SIX Group Ltd	119	-	430,564	484,499
Other qualified indirect shareholders (>10% of equity)	68,642	37,668	1,068,558	1,279,585

Intragroup Income and Expenses

The following figures show income from and expenses paid to other entities of SIX Securities Services.

		2020		2019
CHF 1,000/in %	CHF	% of item	CHF	% of item
Result from interest operations	2,988	14.3	2,665	8.3
Result from commission business and services	621	0.3	455	0.3
Result from other ordinary activities	4,305	49.9	4,240	48.1
Operating expenses	-10,064	6.4	-9,206	5.5
Net intragroup income and expenses	-2,150		-1,846	

10. Maturity Structure of Financial Instruments

CHF 1,000	At sight	Cancellable	Due < 3 months	Due 3–12 months	Due 12–60 months	Total
Financial assets						
Liquid assets	2,254,593	-	-	-	-	2,254,593
Amounts due from banks	1,004,117	-	22,511	-	-	1,026,628
thereof custodians	895,438	-	-	-	-	895,438
Amounts due from securities financing transactions	-	_	1,582,656	14,110	-	1,596,767
Amounts due from customers	182	_	1,108	-	-	1,289
Positive replacement values of derivative financial instruments	1,126	_	-	-	-	1,126
Participations	1,320	-	-	-	-	1,320
Total financial assets	3,261,339	_	1,606,275	14,110	-	4,881,724
Previous year	3,575,427	-	1,305,576	5,807	-	4,886,810
Financial liabilities						
Amounts due to banks	3,571,729	-	1,894	-	-	3,573,623
thereof collaterals	1,855,525	_	-	-	-	1,855,525
Liabilities from securities financing transactions	209,811	-	362,405	-	-	572,216
Amounts due to customers	464,852	-	10,509	-	-	475,361
Negative replacement values of derivative financial instruments	1,667	_	-	-	-	1,667
Total financial liabilities	6,103,583	_	374,808	-	-	4,622,867
Previous year	6,609,071	-	173,126	-	-	4,620,946

11. Assets by Country/Group of Countries

			31/12/2020		31/12/2019
	Rating	CHF 1,000	Share in %	CHF 1,000	Share in %
Europe		4,154,025	82.9	4,656,879	94.5
Switzerland	AAA	3,374,134	67.4	3,618,088	73.4
Germany	AAA	385,531	7.7	280,159	5.7
United Kingdom	AAA	219,551	4.4	135,003	2.7
Luxembourg	AAA	70,298	1.4	99,790	2.0
Denmark	AAA	104,511	2.1	102,821	2.1
Australia	AAA	182,175	3.6	22,041	0.4
North America		488,343	9.8	88,302	1.8
United States	AA	382,590	7.6	56,686	1.1
Canada	AAA	105,752	2.1	31,617	0.6
Asia		68,573	1.4	52,921	1.1
Japan	A	68,573	1.4	52,921	1.1
Other countries ¹	n/a	115,156	2.3	110,055	2.2
Total assets		5,008,272	100.0	4,930,199	100.0

 $^{\scriptscriptstyle 1}$ None of the countries included in this category has a share of more than 1%.

As SIX SIS Ltd does not offer common credit services, but needs to reliably satisfy settlement counterparties, the distribution of the assets by country originates from a liquidity point of view. The risk domicile does not deviate from the assets' domicile shown above.

12. Breakdown of Assets by Country Rating

			31/12/2019	
Country rating	in CHF 1,000	in %	in CHF 1,000	in %
AAA-AA	4,909,336	98.0	4,855,626	98.5
A	89,082	1.8	58,675	1.2
BBB	9,394	0.2	9,751	0.2
BB	349	0.0	6,116	0.1
B and lower	111	0.0	31	0.0
Total assets	5,008,272	100.0	4,930,199	100.0

The rating categories presented above are based on the rating scale of Standard & Poor's.

13. Assets and Liabilities by Domestic and Foreign Origin

			31/12/2020			31/12/2019
CHF 1,000	Domestic	Foreign	Total	Domestic	Foreign	Total
Assets						
Liquid assets	1,869,810	384,783	2,254,593	2,621,496	279,569	2,901,065
Amounts due from banks	121,314	905,314	1,026,628	155,270	515,988	671,258
thereof custodians	121,514	895,438	895,438	155,270	454,996	454,996
Amounts due from securities financing transactions	1,330,093	266,674	1,596,767	796,462	514,920	1,311,382
Amounts due from customers	1,055	200,074	1,289	1,059	313	1,311,382
Positive replacement values of derivative financial instruments	1,126		1,126	412	-	412
Accrued income and prepaid expenses	11,941	-	11,941	10,510	_	10,510
Participations	-	1,320	1,320	-	1,320	1,320
Tangible fixed assets	34,355	-	34,355	28,666	-	28,666
Other assets	4,440	75,812	80,252	4,213	-	4,213
Total assets	3,374,134	1,634,138	5,008,272	3,618,088	1,312,111	4,930,199
Liabilities and equity Amounts due to banks	1,986,852	1,586,771	3,573,623	2,978,801	910,078	3,888,879
thereof collaterals	1,186,642	668,883	1,855,525	1,816,296	344,955	2,161,251
Liabilities from securities financing transactions	572,216	-	572,216	173,126	-	173,126
Amounts due to customers	475,345	16	475,361	558,156	18	558,174
Negative replacement values of derivative financial instruments	1,667	-	1,667	767	-	767
Accrued expenses and deferred income	15,940	-	15,940	14,991	_	14,991
Other liabilities	97,242	-	97,242	38,619	_	38,619
Provisions	544	_	544	694	_	694
Share capital	26,000	_	26,000	26,000	_	26,000
Statutory reserves						
Tax-exempt capital contribution reserve	5,000	-	5,000	5,000	_	5,000
Statutory retained earnings	18,300	_	18,300	18,300	_	18,300
Voluntary reserves						
Other voluntary reserves	163,100	-	163,100	63,100	-	63,100
Retained earnings	12,549	-	12,549	99,608	-	99,608
Profit for the year	46,729	-	46,729	42,942	-	42,942
Total liabilities and equity	3,421,484	1,586,787	5,008,272	4,020,103	910,096	4,930,199

14. Assets and Liabilities by Most Significant Currencies

CHF 1,000	CHF	EUR	USD	GBP	SEK	JPY	Other ¹	Total
Assets								
Liquid assets	1,869,810	384,783	-	_	_	_	-	2,254,593
Amounts due from banks	63,452	19,848	404,454	205,355	13,581	73,735	246,202	1,026,628
thereof custodians	20,458	10,504	397,821	205,275	7,367	72,544	181,469	895,438
Amounts due from securities financing transactions	500,000	216,830	807,820	72,116	-	-	-	1,596,767
Amounts due from customers	1,289	-	-	-	-	-	-	1,289
Positive replacement values of derivative financial instruments	1,126	-	_	_	_	-	_	1,126
Accrued income and prepaid expenses	11,941	-	-	-	-	-	-	11,941
Participations	-	1,320	-	-	-	-	-	1,320
Tangible fixed assets	34,355	-	-	-	-	-	-	34,355
Other assets	353	38	79,800	-	0	0	62	80,252
Total assets	2,482,326	622,820	1,292,074	277,472	13,581	73,735	246,264	5,008,272
Delivery entitlements from spot exchange, forward forex and forex options transactions	-	-	1,146	-	-	-	801	1,948
Total assets	2,482,326	622,820	1,293,220	277,472	13,581	73,735	247,065	5,010,219
Liabilities and equity	1 (10 502	205 242	1 00 1 000	1 47 5 60	0.500	72 225	244.276	2 572 622
Amounts due to banks	1,619,583	385,313	1,094,088	147,560	9,569	73,235	244,276	3,573,623
thereof collaterals	1,289,414	63,699	487,064	14,652				1,855,525
Liabilities from securities financing transactions	99,461	222,843	115,639 990	129,361 698	2,295	501	2,617	572,216
Amounts due to customers	457,548	13,801	990	- 698	1,818	501	-	475,361
Negative replacement values of derivative financial instruments	1,667	-	_	_	-	-	-	1,667
Accrued expenses and deferred income	15,940	-	-	-	-	-	-	15,940
Other liabilities	11,248	3,486	82,476	5	-	0	25	97,242
Provisions	544	-	-	-	-	-	-	544
Share capital	26,000	-	-	-	_	-	-	26,000
Statutory reserves								
Tax-exempt capital contribution reserve	5,000	-	-	-	-	-	-	5,000
Statutory retained earnings	18,300	-	-	-	-	-	-	18,300
Voluntary reserves								
Other voluntary reserves	163,100	-	-	-	-	-	-	163,100
Retained earnings	12,549	-	-	_	_	-	-	12,549
Profit for the year	46,729	-	-	_	_	-	-	46,729
Total liabilities and equity	2,477,669	625,443	1,293,193	277,624	13,682	73,736	246,924	5,008,272
Delivery obligations from spot exchange, forward forex and forex options transactions	1,353	-	590	-	-	-	7	1,949
Total liabilities and equity	2,479,022	625,443	1,293,782	277,624	13,682	73,736	246,931	5,010,221
Net position per currency	3,304	-2,624	-562	-152	-101	-1	135	-1
Previous year	2,620	78	-2,150	-286	-426	1	203	41

 $^{\circ}$ None of the currencies included in the category "Other" has a share of more than 1% of the assets.

Information on the Income Statement

15. Result from Trading Activities

CHF 1,000	20	20 2019
Net valuation result from the translation of foreign exchange positions	2	10 557
Total result from trading activities	2	10 557

16. Personnel Expenses

CHF 1,000	2020	2019
Salaries (incl. bonuses)	-34,792	-33,370
Social insurance benefits	-6,798	-6,927
Other personnel expenses	-1,123	-1,768
Total personnel expenses	-42,713	-42,066

17. General and Administrative Expenses

CHF 1,000	2020	2019
SECOM expenses, cost of equipment	-45,149	-44,125
Consultancy and other services	-56,285	-68,150
Fees of audit firm	-607	-505
of which for financial and regulatory audits	-390	-281
of which for other services	-217	-224
Cost of premises	-4,587	-4,380
Advertising and marketing expenses	-4,462	-4,974
Indirect taxes and other fees	-2,348	-2,374
Other operating expenses	-1,836	-1,843
Total general and administrative expenses	-115,274	-126,350

18. Losses and Extraordinary Items

There were no extraordinary items in the reporting year. The extraordinary income of CHF 10 million in the previous year resulted from a release of provision.

Net hidden reserves of CHF 3.2 million were released in the reporting year.

19. Taxes

CHF 1,000	2020	2019
Expenses (income) from taxes in previous years	0	868
Expenses for current taxes	-8,978	-11,591
Total taxes	-8,978	-10,723
Weighted average tax rate on operating result before tax (including extraordinary items)	16.1%	21.3%

20. Result from Interest Operations

According to the accounting rules for banks (ARB FINMA), negative interest paid is to be offset against interest income, while negative interest received is to be offset against interest expenses. In the reporting year, negative interest paid amounted to CHF 23.8 million (previous year: CHF 25.2 million), while negative interest received amounted to CHF 39.6 million (previous year: CHF 30.8 million). The following table shows the result from interest operations as if negative interest paid was included in the position "Interest expenses" and interest received was included in the position "Interest and discount income".

CHF 1,000	Income statement	Adjustment neg. interest	Adj. income statement	
Interest and discount income	-13,912	63,408	49,495	
Interest income from financial investments	336	-	336	
Interest expenses	34,414	-63,408	-28,994	
Gross result from interest operations	20,837	-	20,837	
Changes in value adjustments for default risks	-	-	-	
Result from interest operations	20,837	-	20,837	

			2019
CHF 1,000	Income statement	Adjustment neg. interest	Adj. income statement
Interest and discount income	8,084	55,910	63,993
Interest expenses	24,116	-55,910	-31,794
Gross result from interest operations	32,200	_	32,200
Changes in value adjustments for default risks	-	-	-
Result from interest operations	32,200	_	32,200

Information on Off-Balance-Sheet Transactions

21. Contingent Liabilities and Subordinated Assets and Liabilities

	2020	2019
Joint liability from consolidated value-added tax filing status	p.m.	p.m.

In the course of its business activities, different legal interpretations may arise between SIX SIS Ltd and third parties (contracting parties, authorities, etc.) which may give rise to legal disputes. SIX SIS Ltd assesses the corresponding risks and recognizes provisions if it considers the likelihood of occurrence to be probable. No provisions are recognized for risks whose probability of occurrence SIX SIS Ltd currently considers to be less than probable or highly unlikely. However, it cannot be ruled out that risks will be assessed differently in the future due to new findings and that cash outflows will occur. This is in particular because the assessment of legal uncertainties contains a latitude of judgment, and also because legal developments can lead to different assessments in the future.





Regulatory Disclosure

Capital Adequacy

SIX SIS Ltd is obliged to comply with the capital adequacy regulations set out in the Swiss Financial Market Infrastructure Act. The Basel III capital adequacy framework is integrated into the FMI-specific regulations and additional FMI-specific requirements must also be fulfilled. SIX SIS Ltd must have a minimum of 110% of the required capital at all times.

CHF 1,000	31/12/2020	31/12/2019 ¹
Tier 1 capital	215,687	208,388
Tier 2 capital	-	-
Eligible capital	215,687	208,388
Required capital	135,461	132,703
of which for credit risk	24,496	16,740
of which for non-counterparty-related risks	2,007	2,004
of which for market risks	393	357
of which for operational risks	30,865	31,187
of which required capital for wind-down ¹	77,696	82,385
of which for intraday credit risk ²	4	30
Capital fulfilment ratio	159.2%	157.0%
p.m. CET1 ratio	29.9%	33.2%
p.m. Basel III capital ratio	29.9%	33.2%

¹ This requirement is FMI-specific (non-Basel III) and therefore regulated in the Swiss Financial Market Infrastructure Ordinance (Art. 56 FMIO). ² Based on Capital Adequacy Ordinance (Art. 45 CAO) FINMA requires additional capital for intraday credit risks. SIX SIS Ltd Baslerstrasse 100 P.O. Box CH-4601 Olten

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