

The Credit Bureau of Taiwan



JCIC

ANNUAL REPORT 2022

Joint Credit Information Center

JCIC Annual Report 2022

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Introduction

The Joint Credit Information Center (JCIC) is the only credit-reporting agency in Taiwan established under the Regulations Governing Authorization and Administration of Service Enterprises Engaged in Interbank Credit Information Processing and Exchange. The JCIC is also the only credit information service agency in Taiwan that collects comprehensive credit information from financial institutions across the country. The nationwide credit information databank it has maintained covers positive and negative credit information of individuals and businesses in the country that have credit dealings with financial institutions. By using this well-established databank, the JCIC develops various credit information products and services and, in compliance with the inquiry requirements by law and under the premise of comprehensive information security, provides complete, correct, and prompt credit information to member institutions through instant, convenient inquiries and services. The information will assist members in their credit reviews in order to manage the customers' overall credit risks. Operating under three guiding principles-strengthening information security and internal control systems; enhancing the accuracy, timeliness and integrity of data while developing value-added credit products; and expanding and upgrading the efficiency and stability of the IT system, the JCIC not only aspires to help member institutions strengthen their risk management capability but also complies with the regulatory policies of the competent authorities, maintains financial stability, enhances credit report services for data principals, and raises awareness of the public while fulfilling its social responsibilities.

In 2022, with the assistance and cooperation of the competent authorities, the member institutions, and the entire personnel, the JCIC also obtained significant results in various important fields.

With respect to ensuring information security, the JCIC continued its information security diagnosis and evaluation to ensure the vertical protection of information security. We also continued to modernize application system functions and upgrade the software/hardware programs of operating systems in order to improve system security, usability, and performance. The JCIC cooperated with the Financial Information Sharing and Analysis Center of the FSC, continued participating on the financial information security sharing platform, and joined the financial information security monitoring center in January 2022 to assist in enhancing information security



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protection in the financial industry. In addition, the JCIC passed the interim review of the ISO27001 certificate for our information security management system by the third-party certification institution British Standards Institution (BSI) on August 31, 2022, and passed the third-party certification renewal review by the Taiwan Personal Information Protection and Administration System (TPIPAS) on the same day, thus maintaining the validity of the certification.

With regard to the promotion of FinTech, the JCIC was commissioned by the FSC to serve as the convener of the Data Governance Group of the FinTech Co-Creation Platform to assist the FSC in formulating such operations as cross-institutional and cross-market information sharing in the financial market, level information management and the development of a standardized mechanism of financial mobile identity verification within the "FinTech Development Roadmap". In line with the policy of cross-institutional information sharing in the financial market, the JCIC implemented the "FinTech companies using JCIC data" project to ensure that data principals may choose to have their personal credit ratings obtained from JCIC encrypted and decrypted by qualified FinTech companies on the basis of online credit report inquiries under the premise that data principals transfer their credit information by themselves to FinTech companies, so that data principals may transfer their personal credit rating information to FinTech companies in a more convenient and secure way at their own discretion. The project was officially open to FinTech companies for application on March 31, 2022. As soon as the JCIC completes the guidance and review process on the internal control system and information security for said companies, FinTech companies will officially be able to use the service. In addition, the JCIC was instructed by the FSC to serve as the convener of the Financial FIDO Alliance and continued discussing the framework, functions, management mechanisms and operational modes of the financial FIDO system with the technology, operations and security control sub-committees under the alliance. Currently, the IC card identity verification mechanism system development, establishment of technical standards and inventory of available operation items and services have been complete. On December 12, 2022, the amendment to the "security control operational guidelines for fast identity verification mechanism for financial institutions" was submitted to the FSC to serve as a guideline for financial institutions undertaking financial FIDO operation trials.



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With respect to expanding information on the JCIC official website, the JCIC regularly updated the "Home Loan Statistics" and "Industry-specific Financial Statistics" in the "Big Data Analysis" section for the general public. In addition, in order to improve the user friendliness of the JCIC official website so that all users can easily access the website, the conformance level AA of the web accessibility guidelines version 2.1 for the general public section of the JCIC official website was officially launched on March 17, 2022.

With regard to expanding information services to its member institutions: 1. In order to assist member institutions to further understand their clients' factoring without recourse with financial institutions using commercial invoices, the JCIC newly developed the "T03 list of commercial invoices for factoring without recourse by financial institutions" product and made it available on March 2, 2022. 2. In order to assist financial institutions in establishing a stakeholder database, the JCIC expanded data for the product A11 "list of individuals serving as director, supervisor or partner of limited partnership, responsible person and manager for registered commercial business" and incorporated "legal persons serving as director or supervisor" into the product. The modified product A11 was made available on June 1, 2022, with the data principals of disclosure including both natural persons and legal persons. 3. The JCIC collected information related to corporate ESG from governmental agencies to develop the product "R19 corporate ESG information" and made it available for financial institutions on June 1, 2022. In addition, the annotations of "green credit" or "sustainable performance-linked credit" submitted by financial institutions were added by the JCIC to products "B33 daily changes and month-end details of loans-banks," "B36 daily changes and month-end details of loans (including guarantees and bills)-banks: and "J05 personal comprehensive credit report-exclusively for farmers' and fishermen's associations" for inquiry by financial institutions. 4. In order to improve the service function of the SME Financing Service Platform, the JCIC added the product "T24 detailed income information of responsible persons for enterprises" and made it available for member institutions on September 29, 2022.



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In accordance with the FSC's promotion of the Green Finance Action Plan 3.0, the JCIC established a corporate ESG data platform, which has so far collected information on the Labor Retirement Reserve Fund of the Ministry of Labor, information on sanctions and disciplinary actions on enterprises for severe pollution by the Environmental Protection Administration, corporate certification, awards and evaluations by governmental agencies, and annotations of "green credit" or "sustainable performance-linked credit" submitted by financial institutions. The JCIC will continue expanding the ESG information disclosure. In addition, the JCIC has been instructed by the FSC to serve as one of the conveners for the "data and risk control task force" under the "promotional task platform for net-zero in the financial industry" and will assist in the establishment of the corporate ESG data platform as well as research and present the referential questionnaire for the determination whether small-to-medium enterprises are eligible and qualify for sustainable economic activities.

The JCIC continued cooperating with the relief policy for the COVID-19 pandemic. To help laborers and small businessmen affected by the pandemic, the JCIC continued waiving inquiry fees in 2022 for financial institutions that use the JCIC products for the purpose of reviews for processing the labor relief loans from the Ministry of Labor and the relief loans to small businessmen from the Central Bank of the Republic of China (Taiwan).

The JCIC continued serving as the lead agency for the "New Basel Capital Accord Joint Research Task Force (Stress Testing Team)" of the Bankers Association of the Republic of China and assisted the FSC in studying the issues related to the stress test of climate change. The JCIC also continued participating in the tasks of the TCFD of the Bankers Association of the Republic of China and provided assistance in the planning of methods of management and disclosure of climate change risks. In addition, in response to the FSC's adoption of the Internal Ratings-Based Approach (IRB) for credit risks for banks, the JCIC assisted the FSC in the planning of application and review mechanisms. In addition, in cooperation with the FSC's planning to use AI to assist regulatory personnel in reviewing and analyzing the meeting minutes of the Board of Directors and Supervisors, the JCIC provided administrative assistance in



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the FSC's conceptual verification research on the use of AI in the review of meeting minutes of the Board of Directors and Supervisors. The reporting system for meeting minutes of the Board of Directors and Supervisors of the units participating in the trial operation and the review system for regulatory personnel were launched in 2022. In the future, AI applications will be incorporated.

With respect to fulfilling its social responsibilities, the JCIC continued its financial support for the Taiwan Financial Services Roundtable Education Fund, the College Students Financial-sector Employment Program, the Financial Sector Food Bank, and the tug-of-war teams of the Taipei Jingmei Girls High School and its partner junior high schools to fulfill its continued commitment to social welfare.

With regard to its services to the public, the JCIC continued to cooperate with the National Taxation Bureau's one-stop service program that allows for inquiries about information on the estates of deceased relatives. In addition to providing reports in writing to the applicants, the JCIC also provides information on the date of mailing of credit reports to the one-stop platform of the National Taxation Bureau so that applicants may inquire about the case progress. To enhance the service quality of credit report inquiries by members of the general public and to ensure the security of online credit report inquiries by the general public, on December 11, 2022, the JCIC completed a 3D verification mechanism for domestic credit card transactions under online credit reports.

Looking to 2023, the JCIC remains committed to its mandate, supporting the policies of the competent authorities and endeavoring to meet the expectations of its member institutions and of the general public by working steadily towards the following goals in an innovative manner:

- I. The JCIC will continue cooperating with the National Taxation Bureau's to improve the convenience of its one-stop service program that allows for inquiries about information on the estates of deceased relatives; continue enhancing the convenience and friendliness of online credit report inquiry service to enhance the service efficiency of the official website, and expand the content of the Big Data analysis and Open Data on the official website for the general public.



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II. In cooperation with the FSC's Green Finance Action Plan 3.0, the JCIC will continue establishing the corporate ESG data platform and concrete climate risk database to provide one-stop corporate ESG information inquiry service, and add the application and calculation of industry average and overall market information to assist financial institutions in evaluating corporate sustainable performance and in conducting client engagement. In addition, the JCIC will implement education themed on ESG to promote the importance placed on ESG issues by financial institutions. The JCIC will continue to improve the service function of the SME financing service platform and the governmental information connection survey platform in cooperation with governmental policies, and enhance the efficiency of member institutions in handling relevant businesses. The JCIC will implement operations related to the usage by FinTech companies of credit-rating information transferred by the data principal in accordance with the "guidelines for FinTech companies using JCIC data."

III. The JCIC will cooperate with the FSC in the supervision relevant to the adoption of the Internal Ratings-Based Approach (IRB) for credit risks for banks; continue assisting the FSC in implementing the conceptual verification research on the use of AI in the review of meeting minutes of the Board of Directors and Supervisors and incorporate AI application; continue refining the stress test model with focus on the connection between overall indicators and risk indicators, application of scenario design in reverse stress testing and enhancement of reasonable calculation of financial capital; incorporate the GIS system and integrate external data such as climate change to provide the competent authorities, member institutions and the JCIC with more intuitive browsing interface to enhance the supervision, business management and risk analysis efficiency; continue cooperating with the FSC's FinTech Development Roadmap policies and promote cross-institution or cross-market data sharing in the financial market and standardized mechanism of financial mobile identity verification.

IV. In line with developments in business and innovative technology, the JCIC will plan and establish information systems and information security protection measures and continue enhancing the information security protection measures and realize



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information security control mechanisms. The JCIC will also enhance the functions of all application systems, plan and establish new business inquiry systems, continue to replace hardware and upgrade software, realize system monitoring, redundancy and backup to ensure uninterrupted information services.

V. The JCIC will continue to cooperate in the third-party certification of its ISO27001 information security management system and of the Taiwan Personal Information Protection and Administration System (TPIPAS) to maintain the validity of the certification. In addition, the JCIC will conduct semiannual vulnerability scans of the online credit check report system website based on the regulations of the PCI DSS (Payment Card Industry Data Security Standard) and fill out an annual self-evaluation questionnaire, and study verification for data protection in the Cross-Border Privacy Rules (CBPR).

VI. The JCIC will continue to promote the popularization of financial knowledge and sponsor charity activities to fulfill its social responsibility.

The JCIC remains committed to its mission of enhancing credit information content, providing accurate, timely, comprehensive credit information, and ensuring that credit information is used safely. In the future, the JCIC will continue to work to build on its existing foundation and strengthen information security, enhance information quality, and expand value-added information. While working constantly to achieve continuous improvement, the JCIC will work together with its member institutions to build a better, sounder credit transaction environment in Taiwan, thereby strengthening the asset quality of Taiwan's financial sector, raising public awareness of the importance of credit information, actualizing the principle of sustainable operations, and creating a better future for all.



History

Company Profile and Mission

The Joint Credit Information Center (JCIC) was founded in 1975 by and under the Bankers Association of Taipei (the forerunner of today's Bankers Association of the R.O.C.) to serve as a data processing center for the compilation, processing and exchange of credit information among financial institutions. Over the following 17 years, the JCIC saw a steady rise in the scope and volume of its operations, and in 1992 the Bankers Association decided to donate the operating surpluses of the JCIC to transform the center into a non-profit foundation that compiles and processes all types of credit information in accordance with the law.

The JCIC is the only credit-reporting agency in Taiwan. It is both a public and a private agency that collects credit information about individuals and enterprises, develops a credit-scoring system for individuals and enterprises, and maintains a nationwide credit information databank to provide credit records as well as operational and financial information of economic entities for inquiries or use by member institutions, thereby ensuring the safety of credit transactions to promote the sound development of a national credit system and to provide the information needed by the competent authority for financial supervision or policy formulation.

Inclusive Finance for the General Public

In compliance with the financial inclusion policies promoted by the Financial Supervisory Commission (FSC), the JCIC adheres to the mandate of a non-profit foundation and its social responsibilities, provides a range of inquiry services, such as credit report inquiries and accepting credit notation applications and credit inquiries. Beginning July 1, 2011, the public could apply for credit reports conveniently at the post office. Beginning July 1, 2012, individuals could apply for a free credit report once every year. Beginning May 1, 2015, individuals could apply for credit reports at the post office without paying the post office handling fee. Beginning November 1, 2015, individuals could apply for online credit reports via citizen digital certificate on the JCIC website to obtain safe and immediate



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access to personal credit information. Beginning January 1, 2018, individuals could apply for online credit reports by using their smart phones, tablet computers, or other mobile devices. Beginning March 15, 2019, a paperless credit inquiry service was made available at the JCIC; the service only requires members of the public to bring their IDs to the counter and describe the purpose and use of the credit report in order to quickly access their personal credit report without filling in application forms and submitting photocopies of relevant information and documents. The JCIC participated in the National Taxation Bureau's one-stop service program that allows for free inquiries about "personal credit reports and unpaid debt information" of the deceased to assist heirs with obtaining complete information on the financial debts of the deceased. On July 1, 2020, the service was expanded and became nationwide. On October 5, 2010, the new version of the personal credit report was launched. On September 1, 2021, the National Taxation Bureau launched the one-stop service program that allows for inquiries about information on the estates of deceased relatives. In addition to providing reports in writing to the applicants, the JCIC also provides information on the date of mailing of credit reports to the one-stop platform of the National Taxation Bureau so that applicants may inquire about the case progress.

Furthermore, in order to improve the convenience of credit report inquiries by the general public, on July 16, 2021, the credit report application counter was moved from the 16th floor of the Center to the ground floor to reduce personnel movement and comply with the regulations of epidemic prevention. On December 22, 2021, the JCIC completed the AI text customer service system on the official website, added and revised the virtual customer service robot functions and enhanced the Q&A section to improve the convenience and access of the official website for users. To enhance the service quality of credit report inquiries by members of the public and to ensure the security of online credit report inquiries by the public, on December 11, 2022, the JCIC completed a 3D verification mechanism for domestic credit card transactions under online credit reports.



Objectives

- To establish a nationwide credit information database and to provide credit records as well as operational financial information of economic entities, for enquiry and use by members.
- To improve the credit investigation function of the financial sector and to promote the development of credit investigation techniques.
- To ensure the safety of credit transactions and to promote the sound development of the national credit system.
- To provide information needed by the competent authority for financial supervision.



Organizational Structure

Board of Directors

Pursuant to the Banking Act, the operations of the JCIC are authorized and supervised by the Financial Supervisory Commission (FSC) under the Executive Yuan and the Banking Bureau of the FSC. The JCIC has a Board of Directors composed of nine directors and three supervisors. The directors and supervisors are either representatives or scholars appointed by the FSC, the Central Bank of China (CBC) or the Bankers Association of the Republic of China. Apart from the chairman who oversees business operations, none of the eight other directors and three supervisors holds any management position at the JCIC and, therefore, they function independently as independent directors or independent supervisors. To supervise the business operations and corporate governance of the JCIC, an Internal Audit Office that reports directly to the Board of Directors handles the internal audit operations.

Management Team

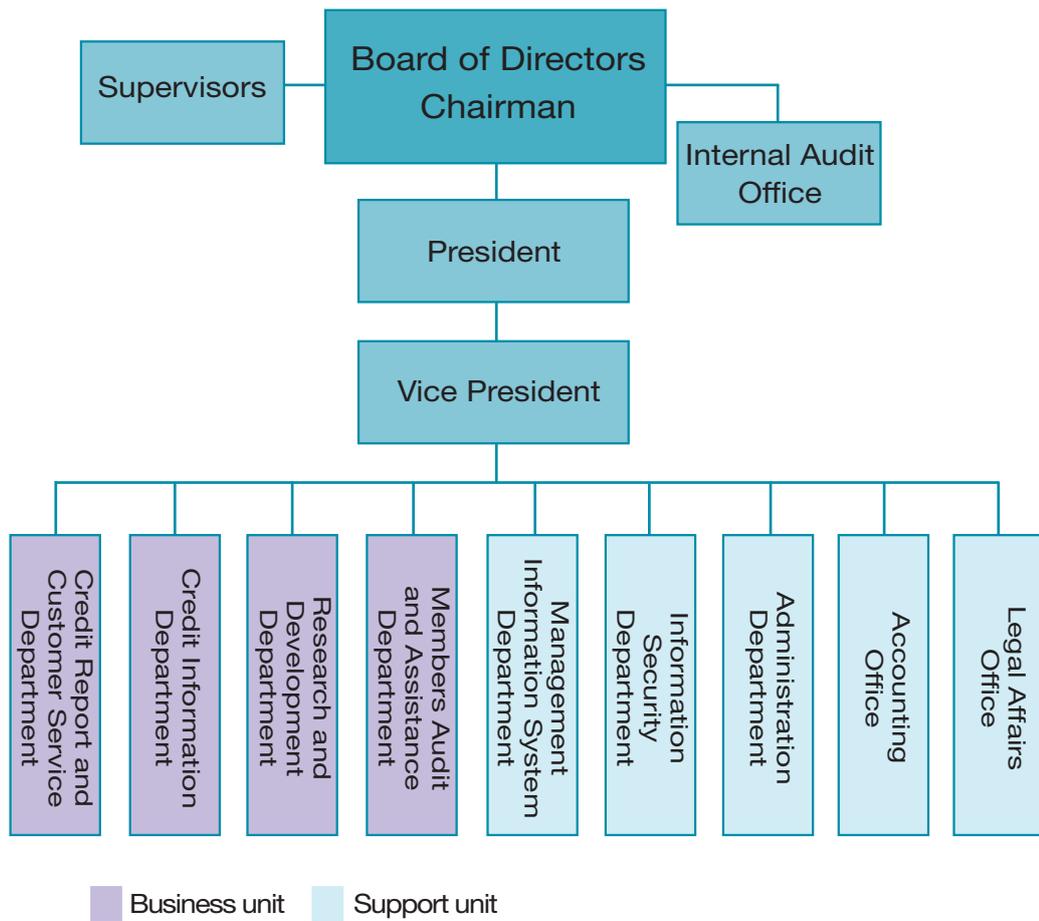
The JCIC has a president who is responsible for operations pursuant to the resolutions made by the Board of Directors and is assisted by two vice presidents. Under the president, there are four business units—Credit Report and Customer Service Department, Credit Information Department, Research and Development Department, and Members Audit and Assistance Department, as well as five support units—Management Information System Department, Information Security Department, Administration Department, Accounting Office, and Legal Office.

The Credit Report and Customer Service Department is the service window for personal credit information; the Credit Information Department is the contact window for information reporting and inquiries by financial institutions; the Research and Development Department is the primary contact window for assisting banks in improving credit risk evaluation and management and assisting the competent authority in the supervision of financial institutions; and the Members Audit and Assistance Department is the service window for membership audit and inquiry security control operations and member education and training.



Organizational Structure

Organizational Chart





Directors and Supervisors

Data date : 111.12.31

Position	Name	Current Function
Chairman	Jiann-jong Guo	
Director	Chieh-cheng Lu	Chairman, Bank of Taiwan Co., Ltd.
Director	Hsou-yuan Chuang	Director General, Banking Bureau, Financial Supervisory Commission
Director	Chang-ken Lee	President, Cathay Financial Holdings
Director	Shih-wei Liao	Associate Professor, Department of Computer Science & Information Engineering, National Taiwan University
Director	Feng-ying Xie	Deputy Director-General, Department of Banking, Central Bank of the Republic of China (Taiwan)
Director	Han-ming Li	Adviser, National Security Council
Director	Wen-tsong Chiou	Research Professor, Institutum Iurisprudentiae, Academia Sinica
Director	Paul C. D. Lei	Chairman, Taiwan Cooperative Holdings and Taiwan Cooperative Bank Chairman, Bankers Association of the Republic of China (Director since September 26, 2022)
Supervisor	Lan-zhi He	Deputy Director General, Department of Foreign Exchange, Central Bank of the Republic of China (Taiwan)
Supervisor	Tsong-ming Wang	Secretary-General, Bankers Association of the Republic of China (Supervisor since May 17, 2022)
Supervisor	Chi-chun Liu	Professor of Accounting, National Taiwan University



Services

A. Services to Individuals

1. Handling inquiries about credit reports.
2. Providing assistance in reading and understanding credit reports.
3. Handling applications for notations.
4. Handling requests to make corrections to credit records.

B. Services to Member Institutions

1. Providing both online and offline credit inquiry services.
2. Handling the addition, correction or deletion of credit information.
3. Conducting financial analysis and credit scoring of business enterprises.
4. Providing a platform for posting alerts and reporting cases of fraud.
5. Publishing and distributing books and journals in print form and on optical discs, including the Overview of Financial Institutions, Guidelines for Reporting of Loan Information, Manual for Compiling Guidelines and Rules for Reporting Credit Card Related Information, Guidelines for Reporting of Information Related to the Statute for Consumer Debt Clearance, Manual for Credit Information Inquiry, Business & Industrial Key Financial Ratios Based on the Financial Reports of Enterprise Accounting System (EAS), Business & Industrial Key Financial Structure Information Based on the Financial Reports of Enterprise Accounting System (EAS), and Business & Industrial Financial Ratios based on the IFRSs Combined and Single Financial Report.
6. Providing training for new member institutions, and holding lectures, workshops and seminars related to credit information for the personnel of member institutions.
7. Handling other matters relating to credit information.

C. Services to Competent Authorities

Providing necessary information and assistance in line with the supervisory policies of the competent authority.



Services

D. Statistics on Credit Inquiries, 2020 ~ 2022

Service	2020		2021		2022	
	Total	Growth	Total	Growth	Total	Growth
Credit information inquiries (10,000 inquiries) (Note 1)	64,797	6.25%	69,020	6.52%	72,143	4.52%
Personal credit reports (Note 2)	661,996	14.97%	675,089	1.98%	646,062	-4.30%
Individual applications for notation service (Note 3)	599	3.99%	547	-8.68%	650	18.83%
Notations of payoff by relatives (Note 3)	379	-4.05%	329	-13.19%	321	-2.43%

Notes :

1. In 2022, the total number of inquiries increased by 4.52% as compared with 2021, mainly resulting from account management inquiries of existing customers. Among them, charged services of account management grew by 7.62% as compared with the previous year, mainly due to the continual growth of the credit card market and the increasing number of credit cards in circulation. Regarding new approved loans or cards, charged services increased by 2.31% as compared with the previous year. Loans and other credit businesses increased by approximately 5.18%, and credit card businesses increased by approximately 2.35%.
2. In 2022, the number of inquiries about comprehensive credit reports decreased by 4.30% as compared with 2021. The reasons are decreased applications submitted by leasing companies as agent and the lack of applications for credit reports by candidates in reelections of farmers' and fishermen's associations.
3. The number of individual notations and the caseload of repayments made by relatives varied with the needs of the individuals or relatives for notations, and was thus subject to slight fluctuations. However, the decrease in applications was more evident in 2021 due to the epidemic. As compared with 2021, in 2022 there was only a slight decrease in applications because the epidemic had slowed down.

Highlights of 2022

In recent years, sustainable development has become a core value developed by governments and enterprises around the world. The FSC also promotes green finance as a key policy in line with the governmental goal of promoting environmental sustainable development. In addition, the FSC has been promoting the Green Finance Action Plan since 2017, in hopes of deepening sustainable development and supporting the transition to zero emissions through collaboration among the units. In 2022, the JCIC continued collecting information related to corporate ESG, established the corporate ESG data platform, and assisted financial institutions in evaluating the loan risks related to corporate ESG in cooperation with the FSC's green finance policy. In addition, the JCIC also continued assisting the FSC in studying the issues related to the stress test of climate change. Internally, the JCIC realized sustainable actions through various energy saving and carbon reduction measures. In the future, the JCIC will continue cooperating with governmental policies and assist in constructing a sustainable financial ecological circle that is comprehensive.

The 2022 projects were all smoothly implemented with the joint efforts of the directors, the supervisors and the entire personnel under the guidance and assistance of the FSC and the cooperation and support from all of the members. The major results of 2022 are summarized and explained as follows:

I. Credit reports and public services:

- (1) The JCIC continued enhancing the service quality of credit report inquiries by members of the public. To ensure the security of online credit report inquiries by the public, in December 2022 the JCIC completed a 3D verification mechanism for domestic credit card transactions under online credit reports.
- (2) In order to enhance the service efficiency of the JCIC official website, the JCIC continued expanding the online customer service knowledge base. In addition, to improve the friendliness of our services, the conformance level AA of the web accessibility guidelines version 2.1 for the general public section of the JCIC official website was officially launched on March 17, 2022.



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- (3) In continual cooperation with the National Taxation Bureau's one-stop service program that allows for inquiries about information on the estates of deceased relatives, the JCIC provided reports in writing to the applicants as well as information on the date of mailing of credit reports to the one-stop platform of the National Taxation Bureau so that applicants might inquire about the case progress.

II. Financial credit check and services to member institutions:

- (1) In line with the FSC's Green Finance Action Plan, the JCIC established a corporate ESG data platform, which has so far collected information on the Labor Retirement Reserve Fund of the Ministry of Labor, information on sanctions and disciplinary actions on enterprises for severe pollution by the Environmental Protection Administration, corporate certification, awards and evaluations by governmental agencies, and annotations of "green credit" or "sustainable performance-linked credit" submitted by financial institutions. The JCIC will continue expanding the ESG information disclosure. In addition, the JCIC has been instructed by the FSC to serve as one of the conveners for the "data and risk control task force" under the "promotional task platform for net-zero in the financial industry" and will assist in the establishment of the corporate ESG data platform as well as research and present the referential questionnaire for the determination whether small-to-medium enterprises are eligible and qualify for sustainable economic activities.
- (2) The JCIC assisted financial institutions to enhance the credit information, loan, and post-loan review process for the business of factoring without recourse with newly developed products and report files.
- (3) The JCIC added the information product on land mortgages undertaken by financial institutions to assist financial institutions in complying with the regulations of the Central Bank of the Republic of China (Taiwan) on land mortgages and to enhance risk control on housing mortgages.



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- (4) The JCIC will continue to improve the governmental information connection survey platform and the service quality of the SME financing service platform in line with governmental policies.
- (5) In response to amendments to the Act Governing Electronic Payment Institutions and relevant authorization laws, the JCIC revised relevant report files and products accordingly.
- (6) The JCIC continued cooperating with the relief policy during the COVID-19 pandemic. In addition, to help laborers and small businessmen affected by the pandemic, the JCIC continued waiving inquiry fees in 2022 for financial institutions that use the JCIC products for the purpose of reviews for processing the labor relief loans from the Ministry of Labor and the relief loans to small businessmen from the Central Bank of the Republic of China (Taiwan).
- (7) The JCIC continued assisting new member institutions to realize the credit information inquiry security control mechanism as well as implemented relevant inquiry supervision and inspection measures.
- (8) The 16th annual Golden Security, Golden Quality and Golden Excellence Awards of the JCIC were presented to institutions and individuals that excelled in the implementation of credit information security control, the reporting of credit information and the handling of credit information queries.

III. Assistance in policies of the competent authorities:

- (1) The JCIC continued serving as the lead agency for the "New Basel Capital Accord Joint Research Task Force (Stress Testing Team)" of the Bankers Association of the Republic of China and assisted the FSC in studying the issues related to the stress test of climate change. The JCIC also continued participating in the tasks of the TCFD of the Bankers Association of the Republic of China and provided assistance on the planning of methods of management and disclosure of climate change risks.

Highlights of 2022

- (2) In response to the FSC's adoption of the Internal Ratings-Based Approach (IRB) for credit risks for banks, the JCIC assisted the FSC in the planning of application and review mechanisms.
- (3) The JCIC continued to serve as the convener of the Data Governance Group of the FinTech Co-Creation Platform to assist the FSC in promoting a standardized mechanism of financial mobile identity verification and studying cross-institutional and cross-market information sharing in the financial market.
- (4) In line with the measure on "cross-institutional information sharing in the financial market" of the "FinTech Development Roadmap," the JCIC launched the "FinTech companies using JCIC data" service on March 31, 2022, to ensure that data principals may choose to have their personal credit ratings obtained from JCIC encrypted and decrypted by qualified FinTech companies on the basis of online credit report inquiries under the premise that data principals transfer their credit information by themselves to FinTech companies, so that data principals may transfer their personal credit rating information to FinTech companies in a more convenient and secure way at their own discretion.
- (5) In line with the measure on "research and development of a standardized mechanism of financial mobile identity verification" of the "FinTech Development Roadmap," the JCIC was instructed by the FSC to serve as the convener of the Financial FIDO Alliance and continued discussing the framework, functions, management mechanisms and operational modes of the financial FIDO system with the technology, operations and security control sub-committees under the alliance.
- (6) The JCIC provided administrative assistance in the FSC's conceptual verification research on the use of AI in the review of meeting minutes of the Board of Directors and Supervisors.
- (7) The JCIC continued participating in the operation of the Asia Credit Reporting Network (ACRN).



Highlights of 2022

IV. Information security and internal management:

- (1) The JCIC continued strengthening the vertical protection of information security as well as the management and monitoring of access privilege for information systems. The JCIC also continued to add/revise application system functions, and upgraded and replaced software/hardware programs of operating systems in order to improve system security, usability, and performance.
- (2) The entire organization of the JCIC obtained certification by the ISO27001 information security management system as well as the third-party certification of the Taiwan Personal Information Protection and Administration System (TPIPAS), thus maintaining the validity of the certifications.
- (3) The JCIC implemented various measures to prevent and control the spread of COVID-19 and activated mechanisms such as off-site working, remote working, and working in different places of the main office in response to changes in the pandemic to avoid aggregation. In addition, during the peaks of the pandemic, employees were required to regularly conduct the self-test while severe access controls on all floors were strictly implemented to ensure employees' security.
- (4) The JCIC continued promoting the internal energy saving and carbon reduction measures for environment friendliness in line with the FSC's green finance policy.
- (5) The JCIC continued its financial support for the Taiwan Financial Services Roundtable Education Fund, the College Students Financial-sector Employment Program, the Financial Sector Food Bank, and the tug-of-war teams of the Taipei Jingmei Girls High School and its partner junior high schools to fulfill its commitment to social welfare.



List of Member institutions

Domestic Banks (40)

Bank of Taiwan	O-Bank Co., Ltd.	Yuanta Bank
Land Bank of Taiwan	Taiwan Business Bank	Bank SinoPac Company Limited
Taiwan Cooperative Bank	Standard Chartered International Commercial Bank	E. Sun Commercial Bank, Ltd.
First Commercial Bank	Taichung Commercial Bank	KGI Bank
Hua Nan Commercial Bank, Ltd.	King's Town Bank	DBS Bank (Taiwan) Ltd.
Chang Hwa Commercial Bank	HSBC Bank (Taiwan) Ltd.	Taishin International Bank
The Shanghai Commercial & Savings Bank, Ltd.	Taipei Star Bank	Jih Sun International Bank
Taipei Fubon Commercial Bank	Hwatai Bank	En Tie Commercial Bank
Cathay United Bank	Shin Kong Commercial Bank	CTBC Bank Co., Ltd.
The Export-Import Bank of the Republic of China	Sunny Bank	Rakuten International Commercial Bank
Bank of Kaohsiung	Bank of Panhsin	Next Bank
Mega International Commercial Bank	Cota Commercial Bank	LINE Bank
Agricultural Bank of Taiwan	Union Bank of Taiwan	
Citibank Taiwan Ltd.	Far Eastern International Bank	



List of Member institutions

Taiwan Branches of Foreign Banks (22)

Mizuho Corporate Bank, Ltd.	DBS Bank Ltd, Taipei Branch	Sumitomo Mitsui Banking Corporation
Bank of America, N.A.	BNP PARIBAS	Citibank N.A.
Bangkok Bank Public Company Ltd.	Standard Chartered Bank	The Hongkong and Shanghai Banking Corp., Ltd.
Metropolitan Bank and Trust Co.	Oversea-Chinese Banking Corporation Ltd.	Australia and New Zealand Banking Group Ltd.
United Overseas Bank	Calyon Corporate and Investment Bank	PT Bank Rakyat Indonesia (Persero) Tbk
Deutsche Bank AG	UBS AG	KEB HANA Bank
The Bank of East Asia, Ltd.	ING Bank, N.V.	
JPMorgan Chase Bank, N.A.	The Bank of Tokyo-Mitsubishi UFJ, Ltd.	

Bills (Securities) Finance Companies (9)

Mega Bills Finance Corp.	Dah Chung Bills Finance Corp.	Ta Ching Bills Finance Corp.
China Bills Finance Corp.	Taiwan Finance Corp.	Taiwan Cooperative Bills Finance Corp.
International Bills Finance Co., Ltd.	Grand Bills Finance Co.	Yuanta Securities Finance Co., Ltd.



List of Member institutions

Credit Cooperative Associations (23)

The Keelung First Credit Cooperative	The Second Credit Cooperative Association of Taichung	The Third Credit Cooperative Association of Kaohsiung
The Second Credit Cooperative Association of Keelung	The First Credit Cooperative Association of Changhua	The Yilan Credit Cooperative Association of Yilan County
The Fifth Credit Cooperative Association of Taipei	The Fifth Credit Cooperative Association of Changhua	The First Credit Cooperative Association of Hualien
The Danshuei First Credit Cooperative Bank	The Sixth Credit Cooperative Association of Changhua	The 2nd Credit Cooperative Association of Hualien
The Danshuei Credit Cooperative Association of Taipei County	The Tenth Credit Cooperative Association of Changhua	The First Credit Cooperative Association of Penghu
Credit Cooperative Association of Taoyuan	The Credit Cooperative Association of Lugang	The Second Credit Cooperative Association of Penghu
The First Credit Cooperative Association of Hsinchu	The Third Credit Cooperative Association of Chiayi	Kinmen Credit Cooperative Association
The Third Credit Cooperative Association of Hsinchu	The Third Credit Cooperative Association of Tainan	



List of Member institutions

Credit Departments of Fishermen's Associations (28)

Keelung District

Nansh District

Linbian District

Wanli District

Nansian District

Donggang District

Rueifang District

Kaohsiung District

Fangliao District

Taoyuan District

Siaogang District

Liuchiu District

Hsinchu District

Zihguan District

Toucheng District

Nanlong District

Mituo District

Su-ao District

Tongyuan District

Yongan District

Singang District

Changhua District

Linyuan District

Penghu District

Yunlin District

Singdagang District

Kinmen District

Chiayi District



List of Member institutions

Credit Departments of Farmers' Associations (283)

Keelung City	Taishan District	Hukou Township
Shihlin District	Linkou District	Sinfeng Township
Beitou District	Lujhou District	Sinpu Township
Neihu District	Wugu District	Guansi Township
Nankang District	Bali District	Cyonglin Township
Mujha District	Danshuei District	Baoshan Township
Jingmei District	Sanjihih District	Jhudong District
Jinshan District	Shihmen District	Hengshan District
Banciao District	Pingjhen District	Beipu Township
Sijhih District	Longtan District	Emei Township
Shekeng District	Yangmei District	Jhunan Township
Shihding District	Sinwu District	Toufen Township
Rueifang District	Guanin District	Sanwan Township
Pingsi District	Taoyuan District	Nanjhuang Township
Sindian District	Gueishan District	Shihtan Township
Pinglin District	Bade District	Houlong Township
Jhonghe District	Dasi District	Tongsiao Township
Tucheng District	Fusing District	Yuanli Township
Sansia District	National Farmers' Association, R.O.C.	Miaoli City
Shulin District	Dayuan District	Zaociao Township
Yingge District	Lujhu District	Touwu Township
Sanchong District	Hsin Chu City	Gongguan Township
Sinjhuang District	Jhubei City	Dahu District



List of Member institutions

Tongluo Township	Waipu District	Erlin Township
Sanyi Township	Da-an District	Dacheng Township
Sihu Township	Changhua City	Fangyuan Township
Jhuolan Township	Fenyuan Township	Ershuei Township
Taichung District	Huatan Township	Nantou City
Taiping District	Sioushuei Township	Jhongliao Township
Dali District	Lugang Township	Caotun Township
Wufong District	Fusing Township	Guosing Township
Wurih District	Siansi Township	Puli Township
Fengyuan District	Hemei Township	Ren-ai Township
Houli District	Shengang Township	MingJian Township
Shihgang District	Yuanlin Township	Jiji Township
Dongshih District (Taichung)	Shetou Township	Shueili Township
Heping District	Yongjing Township	Yuchih Township
Sinshe District	Pusin Township	Sinyi Township
Tanzih District	Sihu Township	Jhushan Township
Daya District	Dacun Township	Lugu Township
Shengang District	Puyan Township	Douan Township
Datu District	Tianjhong Township	Dapi Township
Shalu District	Beidou Township	Huwei Township
Longjing District	Tianwei Township	Tuku Township
Wuci District	Pitou Township	Baojhong Township
Cingshuei District	Sijhou Township	Dongshih Township (Yunlin County)
Dajia District	Jhutang Township	Taisi Township



List of Member institutions

Lunbei Township	Lioujiao Township	Syuejia District
Mailiao Township	Singang Township	Beimen District
Douliou City	Minsyong Township	Singing District
Linnei Township	Dalin Township	Houbi District
Gukeng Township	Sikou Township	Baihe District
Cihtong Township	Yijhu Township	Dongshan District
Siluo Township	Budai Township	Lioujia District
Erlun Township	Tainan District	Siaying District
Beigang Township	YongKang District	Liouying District
Shueilin Township	Gueiren District	Yanshuei District
Kouhu Township	Sinhua District	Shanhua District
Sihhu Township	Zuojhen District	Danei District
Yuanchang Township	Yuching District	Shanshang District
Chiayi City	Nanshi District	Sinshih District
Fanlu Township	Nanhua District	Anding District
Meishan Township	Rende District	Kaohsiung District
Jhuci District	Guanmiao District	Siaogang District
Alishan Township	Longci District	Renwu District
Jhongpu Township	Guantian District	Dashe District
Shueishang Township	Madou District	Gangshan District
Lucao Township	Jiali District	Lujhu District
Taibao City	Sigang District	Alian District
Puzih City	Cigu District	Tianliao District
Dongshih Township	Jiangiyun District	Yanchao District



List of Member institutions

Ciaotou District	Jutian Township	Wujie Township
Zihguan District	Neipu District	Dongshan Township
Mituo District	Wandan Township	Suao District
Yongan District	Wanluan Area	Hualien City
Hunei District	Kinding Township	Sinsiou District
Fongshan District	Nanjhou District	Jian Township
Daliao District	Linbian Township	Shoufong Township
Linyuan District	Donggang Township	Fongrong District
Niao-Song District	Liouciou Township	Guangfeng District
Dashu District	Jiadong Township	Rueisuei Township
Cishan District	Fangliao Area	Yusi District
Meinong District	Fangshan District	Fuli Township
Liouguei District	Checheng District	Taitung District
Neimen District	Hengchun Township	Luye District
Shanlin District	Manjhou Township	Guanshan Township
Jiasian District	Xinguan Township	Chihshang Township
Jiading District	Chaozhou Township	Donghe Township
Pingtung City	Yilan City	Chenggong Township
Jiouru Township	Toucheng Township	Changbin Township
Ligang Township	Jiaosi Township	Penghu County
Gaoshu Township	Jhuangwei Township	Lienchiang County
Pingtung County	Yuanshan Township	Taimali District
Changjih Township	Luodong Township	
Linluo Township	Sansing District	



List of Member institutions

Life (Property) Insurance Companies (16)

BankTaiwan Life Insurance Co., Ltd.	Shin Kong Life Insurance Co., Ltd.	TransGlobe Life Insurance Inc.
Taiwan Life Insurance Co., Ltd.	Mass Mutual Mercuries Life Insurance Co., Ltd.	Yuanta Life Insurance Co., Ltd.
Prudential Life Assurance Co., Ltd.	Far Glory Life Insurance Co., Ltd.	Fubon Life Assurance Co., Ltd.
Cathay Life Insurance Co., Ltd.	Hontai Life Insurance Co., Ltd.	Cathay Century Insurance Co., Ltd.
China Life Insurance Company, Ltd.	Allianz President Life Insurance Co., Ltd.	Tokio Marine Nawa Insurance Co., Ltd.
Nan Shan Life Insurance Co., Ltd.		

Credit Card Issuers (4)

National Credit Card Center of R.O.C.	Global Payments Asia Pacific Hong	American Express Cards Internation Inc.
Taiwan Rakuten Card, Inc.		

Other Institutions (5)

Small and Medium Business Credit Guarantee Fund (SMEG)	Taiwan Small Business Integrated Assistance Center	Central Deposit Insurance Corp.
Agricultural Credit Guarantee Fund	Chunghwa Post Co., Ltd.	

Major Events in 2022

Date	Events
2022/01/10	Three workshops on the internal ratings-based (IRB) practice development were hosted by the JCIC on January 10, 17, and 26, 2021. The FSC's Banking Bureau and Financial Examination Bureau, the Central Deposit Insurance Corporation, and related financial institutions were represented. Relevant practices were shared by three consulting teams (Mazars, Deloitte, and PwC) and issues were discussed and aggregated for use by the competent authorities in formulating IRB regulations.
2022/01/17	In compliance with the revision of the "Electronic Payment Processing Institutions Act" and relevant regulations, the KP3 file (data on contracted institutions of electronic-payment institutions) is revised for reporting by electronic-payment companies to report starting today.
2022/02/25	The KEB Hana Bank is accepted as a JCIC member today.
2022/03/02	New information is added to product R09 "Information on major pollution penalties for enterprises" today to comply with the FSC's "Green Finance Action Plan 2.0" policy.
2022/03/02	New product T03 "List of commercial invoices submitted by financial institutions undertaking receivables factoring" is available for inquiries beginning today to assist member institutions to monitor customers' receivables factoring transactions among banks by commercial invoices.
2022/03/07	PT Bank Rakyat Indonesia (Persero) Tbk is accepted as a JCIC member today.
2022/04/01	To assist the FSC in building and strengthening an integrated inquiry platform for ESG-related information under one of its "Green Finance Action Plan 2.0", the JCIC adds five new notations today, namely "Green loans", "Green expenditure category", "Sustainability-linked loans", "Sustainability-linked loan category", and "Failed sustainability-linked loan agreements", under the "Monthly Loan Outstanding Record" of its revised "Guidelines for Reporting Information on Loans".
2022/04/15	An interim report on the outsourced research project of "Research on foreign application standards, review procedures, and regulatory practices of the IRB approach to credit risk" is presented at an online meeting chaired by President Chang of the JCIC today. The FSC's Banking Bureau and Financial Examination Bureau, the Central Deposit Insurance Corporation, and related financial institutions are represented.



Major Events in 2022

Date	Events
2022/05/04	<p>In compliance with the revised "Electronic Payment Processing Institutions Act" and relevant regulations, the JCIC amends eight of its products, namely "P40 Information on recipient users of electronic payment institutions, contracted merchants of credit cards, and sellers of third-party payment", "P44 Profile summary on recipient users of electronic payment institutions, contracted merchants of credit cards, and sellers of third-party payment", "K10 Information on contracted merchants of credit cards, sellers of third-party payment institutions, and contracted institutions of electronic payment institutions", "K24 Profile summary on contracted merchants of credit cards, sellers of third-party payment institutions, and contracted institutions of electronic payment institutions", "K25 Information on contracted merchants of credit cards, sellers of third-party payment institutions, and contracted institutions of electronic payment institutions-by responsible person", "K35 Profile summary on contracted merchants of credit cards, sellers of third-party payment institutions, and contracted institutions of electronic payment institutions-by responsible person", "K40 Information on sellers of third-party payment institutions, contracted merchants of credit cards, and contracted institutions of electronic payment institutions", and "K44 Profile summary on sellers of third-party payment institutions, contracted merchants of credit cards, and contracted institutions of electronic payment institutions", which are all available for inquiries beginning today.</p>
2022/06/01	<p>Information on "juristic persons as corporate directors and supervisors" is added to product "A11 List of individuals as corporate directors, supervisors and managers" today to assist financial institutions establish databases on interested parties.</p>
2022/06/01	<p>The JCIC releases today a new product, "R19 Corporate ESG information", which integrates ESG awards information from product "A13 corporate registration/history/ESG awards information" to assist the FSC in building and strengthening an integrated inquiry platform for ESG-related information under one of its "Green Finance Action Plan 2.0"</p>
2022/06/30	<p>Due to the termination of the contract between the JCIC and the Taiwan Clearing House and the expiry of the Central Bank's Program C small-business relief loans, the JCIC's two products, "D10 Dishonored-check records of amounts under NT \$ 500,000 for the Central Bank's small-business relief loans and the Ministry of Labor's labor relief loans only" and "T30 Information for checking on sales figures under the Central Bank's Program C small-business relief loans", are taken offline today.</p>

Major Events in 2022

Date	Events
2022/07/12	The 3rd meeting of the Data Governance Group under the FinTech Co-Creation Platform is hosted by the JCIC today. It discusses subjects including the progress of the JCIC's convenient forwarding personal credit scores mechanism for P2P companies, the operation of Financial FIDO, and the results and suggestions of the FSC's survey on the needs and opinions of non-financial and cross-sector data.
2022/08/29	The 2022 edition of the "Industrial Financial Ratios of IFRS Consolidated and Individual Financial Statements" is published today.
2022/08/31	The JCIC is recertified by the BSI today as meeting the required criteria of the ISO/IEC 27001: 2013 and its certificate will remain valid.
2022/09/28	To assist the FSC in promoting proper information disclosure under its "Green Finance Action Plan 2.0", the JCIC adds five new notations on "Green loans" and "Sustainability-linked loans" today to its three products, namely "B33 Credit, collateral, repayment, and guarantee records-by bank", "B36 Credit (bill and check credit included), collateral, repayment and guarantee records-by bank", and "J05 Individual comprehensive credit reports-for use by farmers' and fishermen's associations".
2022/09/29	In compliance with the enhancement measures by the Small and Medium Enterprise Administration of the MOEA, a new format of the letter of authorization for the SME Financing Service Platform and new product "T24 Individual Income Tax (representative of company)" are made available beginning today.
2022/11/01	In order to assist financial institutions to comply with relevant regulations of the Central Bank governing land loans, new columns relating to land loans are added today under the file format "Monthly Loan Outstanding Record (201)" for members to report on.
2022/12/22	The JCIC donates 20 computers to the Ma-jia Junior High School of Pingtung County under a program to help rural schools build their digital learning capabilities.
2022/12/23	The 16th Golden Security, Quality, and Inquiry Awards are presented at a ceremony held today to thirty-nine institutions and forty-nine individuals.
2022/12/28	The 2022 editions of the "EAS Business & Industrial Key Financial Ratios" and "EAS Business & Industrial Key Financial Structure" are published today.



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