TECHNOLOGY CONSULTING IN THE GLOBAL COMMUNITY

Final Consulting Report Palau FIU Ruiming Gu August 2024

Carnegie Mellon University



Financial Intelligence Unit Ruiming Gu, Student Consultant Page 1 of 30 July 30, 2024

Financial Intelligence Unit Executive Summary

Student Consultant, Ruiming Gu Community Partner, Adair Fincher, Hussein "Boboy" Derbai

I. About the Organization

"The Financial Intelligence Unit (FIU) was established in 2001 with the enactment of the Money Laundering and Proceeds of Crime Act of 2001. The Office of the Attorney General initially housed the FIU, followed by the Financial Institutions Commission (FIC) in 2008. In 2014, with the latest amendment to the Money Laundering and Proceeds of Crime Act, the FIU became a fully independent agency. The FIU is not only responsible for the initial investigations of suspected proceeds of crime and terrorist property but also for ensuring that entities subject to its supervision comply with the anti-money laundering and Proceeds of Crime Act of 2001." ¹

The mission statement of the FIU is,

Detect, disrupt, and deter money laundering, terrorism and proliferation financing, and other transnational crimes through coordination, collaboration, and cooperation with relevant domestic and international partners, while working towards alignment with international best practices and standards and promoting FIU staff growth and excellence.²

The vision statement of the FIU is,

To safeguard the Republic of Palau against illicit financial activity.

II. Establish a Register Entity Database

The primary goal of the project is to establish a comprehensive register entity database for the FIU. This database is crucial for meeting the compliance requirements of the Asia/Pacific Group (APG), enabling the FIU to generate annual reports. By developing this database, the FIU can categorize entities by risk, enhancing their capability to supervise these entities effectively and efficiently. Establishing this database is essential to streamline the registration process, reduce errors, save time, and focus resources on high-risk entities, thus improving the overall effectiveness of the FIU's operations.

Outputs: I developed a custom Microsoft Access database with an entity table and an interactive interface. A Google Form was created based on the revised AML/CFT Reporting Entity Enrolment Form. Additionally, a comprehensive user manual detailing the process and maintenance of the database was produced. The DNFBPs section on the FIU's official website was also updated to include registration information.

Outcomes: These outputs led to the establishment of a comprehensive entity database to register all relevant entities, and increased efficiency in managing entity registrations and supervisory duties.

¹ Financial Intelligence Unit of Palau. (2024). Retrieved from <u>https://palaufiu.org/about/</u>

² Financial Intelligence Unit of Palau. (2024). Retrieved from <u>https://palaufiu.org/</u>

III. Incorporation of Risk Assessment into Entity Database

The goal is to enhance the FIU's compliance with APG requirements by incorporating risk assessments for registered entities. This is crucial for effectively categorizing and supervising entities based on their risk levels. The International Monetary Fund (IMF) is assisting by providing questionnaires and data collection templates for banks and Designated Non-Financial Businesses and Professions (DNFBPs). With the collected information, the IMF will help develop a risk matrix to evaluate and categorize these entities.

Outputs: I modified the database structure to include four additional tables for banks and DNFBPs data collection and questionnaires. An Excel-based data collection system was implemented, allowing entities to fill out Excel files directly, with the entire file stored as a record linked to the corresponding entity. The interactive interface was enhanced to facilitate adding, searching, and editing entries in the new tables. Additionally, the user manual was updated to include detailed instructions on the new processes, ensuring ease of use for FIU staff.

Outcomes: Integrating risk assessment data simplified the management of comprehensive information and established a robust foundation for achieving full APG compliance. Moreover, these improvements ensured that the FIU is well-prepared to implement and utilize the risk assessment database once all preliminary tasks are completed.

III. Debugging Digitization of Legacy Documentation

The goal is to enhance the usability and accuracy of the digitization system for legacy documentation. The current system, while functional, is not user-friendly for non-experts and requires numerous steps and script code modifications. And the information extracted is errorprone. By simplifying the process and improving the accuracy of data extraction, the system will become more accessible to staff members, ensuring efficient and accurate digitization of Currency Transaction Reports (CTR) and Person in Transaction (PIT) forms.

Outputs: The project involved debugging and enhancing scripts such as convert_to_text.py, bank_of_hawaii.py, and bank_pacific.py. A one-click batch file was developed for easier script execution, and a detailed user manual was created.

Outcomes: These outputs led to significant outcomes, including improved data extraction accuracy by at least 50%, a simplified library installation process, enhanced user accessibility and system usability, and the assurance of correct column names and orders for database import.

Consulting Partner

Adair Fincher <u>director@palaufiu.org</u> Hussein "Boboy" Derbai <u>admin@palaufiu.org</u>

About the Consultant

Ruiming (Alysson) Gu ruimingg@andrew.cmu.edu

Alysson is a rising senior in Information Systems.

Financial Intelligence Unit Final Report

Student Consultant, Ruiming Gu Global Community Partner, Adair Fincher, Hussein "Boboy" Derbai

I. About the Organization

Organization

"The Financial Intelligence Unit (FIU) was established in 2001 with the enactment of the Money Laundering and Proceeds of Crime Act of 2001. The Office of the Attorney General initially housed the FIU, followed by the Financial Institutions Commission (FIC) in 2008. In 2014, with the latest amendment to the Money Laundering and Proceeds of Crime Act, the FIU became a fully independent agency. The FIU is not only responsible for the initial investigations of suspected proceeds of crime and terrorist property but also for ensuring that entities subject to its supervision comply with the anti-money laundering and Proceeds of Crime Act of 2001." ³

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The vision statement of the FIU is,

To safeguard the Republic of Palau against illicit financial activity.

The Financial Intelligence Unit (FIU) strives to achieve its mission by receiving and analyzing information from various sources to identify potential activities related to money laundering or terrorist financing. Currently, these sources include the five retail banks and the Bureau of Customs and Border Protection. The banks involved are Bank of Hawaii, Bank of Guam, and Bank Pacific, which are FDIC-insured, as well as Asia Pacific Commercial Bank and Palau Investment Bank, which are locally licensed. These banks share information with the FIU by generating Currency Transaction Reports (CTRs) and Suspicious Transaction Reports (STRs).

A Currency Transaction Report (CTR) is a report that financial institutions are required to file to the FIU for each deposit, withdrawal, exchange of currency, or other payment or transfer, by, through, or to the financial institution that involves a transaction in currency of more than \$10,000. A Suspicious Transaction Report (STR) is a report made by a financial institution about suspicious or potentially suspicious activity. The report must be made when any financial transaction that does not make sense to the financial institution, is unusual for that client or appears to be done only to hide or obfuscate a transaction.

³ Financial Intelligence Unit of Palau. (2024). Retrieved from <u>https://palaufiu.org/about/</u>

⁴ Financial Intelligence Unit of Palau. (2024). Retrieved from <u>https://palaufiu.org/</u>

The FIU, along with former consultants from the Technology Consulting in the Global Community (TCinGC) program of Carnegie Mellon University, has successfully developed a sophisticated database for the electronic acquisition of financial data. Building on this foundation, the FIU plans to incorporate a new database provided by a regional partner in September 2024. With capabilities to directly ingest data from financial institutions, advanced analysis tools, and a secure, cloud-compatible infrastructure, this database will significantly enhance the FIU's ability to transform financial data into actionable intelligence. By integrating the database, the FIU aims to further streamline its operations and improve the quality and efficiency of its financial intelligence activities.

The organization operates with a current budget of \$169,000. Of this, about \$135,000 is allocated to salaries and rental expenses, \$10,000 to the Asia/Pacific Group (APG), and the remainder is used for operations such as equipment and business travel. Adair Fincher is responsible for managing this budget. The organization serves multiple agencies: the Office of the Attorney General, Bureau of Public Safety, Bureau of Revenue and Taxation, Palau Foreign Investment Board (FIB), Financial Institutions Commission (FIC), Digital Residency Office, Postmaster General, and other customers.

Facilities

The Financial Intelligence Unit (FIU) is situated on the second floor of the IA Meda Korner Building in Koror, Palau, sharing the space with the Financial Institutions Commission (FIC). These two entities collaborate closely to oversee financial activities within Palau. The physical setup and organization of the FIU's office are well-suited to its current operations. The office features three desks utilized by Adair (Director) and Boboy (Senior Intelligence Analyst) for their day-to-day tasks, along with a spacious conference table for meetings. Additionally, there are five desktop computers, two laptops, and three printers available in the office.

Power availability at the FIU office generally meets the requirements, as there are ample power outlets to accommodate all electronic devices, including computers and phones, for both the FIU staff and guests. The power supply adequately supports climate control and lighting in the office. However, there were two power outages on May 28, 2024, and July 2, 2024, due to cable maintenance, which highlights a potential issue with power reliability that affects the organization's operations.

Security measures are comprehensive, with the office door and the second-floor entrance being locked during nighttime, ensuring appropriate access control for the FIU and FIC offices. The overall setup, including lighting and climate controls, is designed to provide a conducive working environment for the staff.

Programs

The major activity for FIU is to digitize the paper trail, which includes the information passed on by the financial institutions, analyze that information, and create a storyboard that is worked upon by the investigators to detect the culprit involved in suspicious transactions that may lead to money laundering.

The FIU receives information from local retail banks and the Bureau of Customs and Border Protection and stores it for intelligence gathering. This information is utilized during analysis to find any evidence of money laundering. Before 2015, the information was paper-driven, making searching and analyzing information almost impossible. Therefore, the entire process was digitized in 2015. Currently, the FIU has a digital database, and all three retail banks send the CTRs and STRs in CSV format. Hussein 'Boboy' Derbai retrieves the data from the bank-specific portal within a limited timeframe.

In August 2023, the FIU initially planned to install a new database to enhance its database capacity. However, due to travel issues and scheduling conflicts, the installation has been rescheduled. The new plan is to install the database in September 2024, with experts coming to assist with the installation. Additionally, FIU is planning to incorporate a registry process to document the entity's information, further enhancing its data management and operational capabilities.

Staff

Currently, there are two full-time employees in the Financial Intelligence Unit, Republic of Palau. Ms. Adair K. Fincher is the Director of the FIU. She is responsible for the overall supervision of the FIU, which includes staff, contracts, budget, and public affairs. She is also responsible for implementing Anti-Money Laundering (AML) policies in the Republic of Palau i.e. developing, disseminating, and verifying compliance with policies to prevent money-laundering and terrorist financing. She also represents the FIU at international forums and conferences. Adair uses computers for general office work, such as email, word processing, and research. Her laptop is preloaded with Microsoft Office applications (i.e. – Microsoft Word, Excel, Access, etc.) and uses Microsoft Outlook for accessing email. She is familiar with Office tools like Word and Excel, but does not have extensive knowledge on how to use databases.

Mr. Hussein 'Boboy' Derbai is the Senior Intelligence Analyst of the FIU, Republic of Palau. His role is to support the Director in the process of implementing the AML policies. He recommends the dissemination of suspicious transaction reports (STRs) to the director and supervises the process of exchanging information with foreign FIUs. His access to and use of technology is largely like Adair's, except that he has more proficiency in using the Financial Intelligence Unit's current Microsoft Access database. As such, he is primarily responsible for cleaning and uploading the data on CTRs and STRs that is uploaded into the FIU's database.

Technology Infrastructure

The Financial Intelligence Unit has five computers, whose processor specs vary from Core i7 Quadcore to AMD TurionX2 Dual-Core Mobile. All computers have Microsoft Office 2021 Package Suite pre-installed. Moreover, all the systems have access to the Internet via Wi-Fi (with the necessary web browser).

In terms of non-computing technology, the Financial Intelligence Unit's office is equipped with phones ("landlines") and a scanner/printer in Boboy's office that is accessible over the local network.

An undersea cable was established that provides a much higher quality Internet connection on the islands. On a recent test with internet benchmark speed, the FIU's internet bandwidth goes up to 10.5 Mbps for download and 5.2 Mbps for upload, which allows the FIU to communicate more efficiently, as well as transfer large files between themselves at a faster rate.

Technology Management

The Financial Intelligence Unit (FIU) operates with a small team of only two members, resulting in an ad-hoc approach to technology management. The current infrastructure includes two user systems, one network device, and one printer. Consequently, technology management is handled on

an 'as needed' basis. Boboy, who has more expertise with computer hardware, is responsible for addressing system issues. His technical skills include using computers for tasks such as installing software and updating virus definitions through a graphical user interface. Additionally, Cjay Shiro, the executive commissioner of the Financial Institution Commission (FIC), provides significant assistance with arising issues. When needed, an IT specialist from Bel-Pacific offers further support. Despite this assistance, the FIU's technology management is limited due to a lack of budget to hire a permanent IT specialist. The FIU relies on external limited services for technology management beyond basic tasks. Data is backed up on external storage devices, as there is no budget for cloud storage. All systems have antivirus software installed.

Technology Planning

Technology planning at the FIU is largely managed by Boboy. However, the final decisions regarding purchases are made by Adair. There is no specific budget allocated solely for IT management. Approximately 5% of the overall budget is allocated for purchasing office equipment, including computer equipment. This budget is utilized for acquiring and maintaining the necessary technology infrastructure to support the FIU's operations.

Regarding technology planning and best practices, Adair and Boboy stay informed about international standards by attending conferences on money laundering and terrorist financing prevention. These conferences provide valuable insights into the best practices showcased by other Financial Intelligence Units. Adair and Boboy also communicate with other attendees to learn about their technology infrastructures, which helps inform their own technology planning and decision-making processes at the FIU.

Communication

Internally, information at the FIU is shared verbally, using a flash drive, or through email. Additionally, the FIU has recently implemented the use of Synology Assistant to facilitate file sharing, enhancing their internal information exchange capabilities. For external communications, information is shared via email or phone conversations. The FIU has the capacity to share files both internally and externally efficiently.

Regarding the security of files shared via email, the email accounts at the FIU are passwordprotected and have the capacity to be encrypted, ensuring a higher level of security for sensitive information. Currently, the bandwidth is sufficient to allow the FIU to transfer large files easily both internally and externally. This robust bandwidth supports their operational needs effectively. For its purposes, the one-to-one communication capacity of the FIU remains appropriate, ensuring that their communication and data transfer requirements are met efficiently.

Information Management

The main role of the FIU is to store all information regarding suspected money-laundering activities and analyze it. To fulfill this role, the FIU utilizes a Microsoft Access database, which was initially created by two consultants from the TCinGC program in 2015 and further enhanced by other consultants between 2016 and 2018. Organizations submitting reports to the FIU have since transitioned to electronic submission. Additionally, the FIU uses two specialized databases for background checks: World-Check, which provides public information about individuals, and Sayari, developed by a US company, which scans global corporate registries to gather free information.

To improve their database capacity, the FIU plans to install a new database. Although initially planned for August 2023, the installation is now scheduled for September 2024, with assistance from experts. The FIU updates its primary database every Friday and maintains two backups of the data on external hard drives. One backup is kept in the FIU office, while the other is stored off-site to ensure data security and disaster recovery.

Additionally, the FIU recognizes the need for a portal to exchange forms between various law enforcement agencies and the FIU, as well as a portal to manage financial intelligence cases. These requirements indicate the necessity for two more databases. One database would support the secure storage, retrieval, and management of law enforcement forms, facilitating efficient and secure communication between agencies. The other database would be dedicated to managing financial intelligence cases, enhancing the FIU's ability to track, analyze, and report on these cases. These new systems will align with the FIU's ongoing efforts to enhance its information management capabilities and support its mission more effectively.

Business Systems

HR processes are taken by both FIU and the Ministry of Human Resources, Culture, Tourism & Development. After the Ministry of Human Resources receives the candidate's information, they send their resumes to the FIU office. The FIU then facilitates interviews and makes final decisions.

All government payroll goes through the Bureau of National Treasury, which falls under the Ministry of Finance.

II. Establish a Register Entity Database

Motivation

The Financial Intelligence Unit (FIU) of Palau plays a crucial role in collecting and analyzing financial data to detect suspicious financial activities. To comply with the membership requirements of the Asia/Pacific Group (APG), the FIU needs to establish a register entity database. This database will enable the FIU to generate annual reports and ingest report information from supervised entities once entities have registered and the FIU has collected all necessary information. Additionally, the FIU, in collaboration with the International Monetary Fund (IMF), will develop a risk-based formula based on these annual reports. This formula will allow the FIU to categorize entities by risk, thereby enhancing its capability to supervise these entities effectively and efficiently.

Currently, the FIU lacks a registered entity database. Without this database, the FIU cannot efficiently manage entity registrations or generate the required annual reports, hindering its ability to perform supervisory duties and comply with international standards.

Outcomes

Activities & Outputs

I proposed developing a custom solution using Microsoft Access. This choice was advantageous because Microsoft Access is already used by the FIU to manage Currency Transaction Reports (CTR) and Person in Transaction (PIT) records. Leveraging the FIU staff's familiarity and expertise with Microsoft Access ensured a smoother operation of the new register entity database.

Designing the Google Form:

Before creating the database, I designed a Google Form based on the AML/CFT Reporting Entity Enrolment Form from New Zealand, revised to comply with Palau's regulations. This form generates an Excel file based on the responses, which FIU staff can easily use to import data into the database. To facilitate this process, I updated the DNFBPs section on the FIU's official website with the following information: "If you want to register for DNFBPs, please email adminspecialist@palaufiu.org with your name, and we will send you the Designated Non-Financial Businesses or Professionals Enrollment Form."

Database Development:

I then built the database using Microsoft Access. The key components included creating an entity table and an interactive interface to enhance usability. This interface allows users to easily add, search, edit, and print information. The database structure is designed to accommodate additional features, such as risk assessment and annual reports, which will be built upon the entity registration database. Implementing these additional functionalities will require coordination with the IMF and future CMU student consultants.

Documentation and Training:

I developed a comprehensive manual (See Appendix A) to guide users through the entire process. Given that this was the FIU's first time using Google Forms, the manual details every step, from sending out the form to uploading the generated Excel file into the database. It also includes instructions on maintaining the database, such as adding new fields to the form. This documentation ensures that FIU staff can manage the database independently and sustain its operations over the long term. Capacity building was a key focus, with targeted training sessions aimed at empowering the FIU team with the necessary skills and knowledge to effectively manage and maintain the database.

Outcomes & Indicators

One of the primary outcomes of this project is the establishment of a Google Form and a comprehensive entity database. This will be measured by the number of registered entities in the database. Currently, there are no registered entities, so the baseline is zero. The target is to achieve 100% registration of all relevant financial institutions, car dealers, lawyers, real estate agents, and virtual currency transaction entities.

The FIU plans to announce the need for registration once they have revised the regulations and finalized the registration form. At present, the data entered into the database is only for testing purposes. The actual registration process will commence when the FIU is ready to collect the necessary information.

III. Incorporation of Risk Assessment into Entity Database

Motivation

The FIU is in the process of enhancing its compliance with APG requirements by incorporating risk assessments for registered entities. The International Monetary Fund (IMF) is assisting the FIU by providing questionnaires and data collection templates for banks and Designated Non-Financial Businesses and Professions (DNFBPs). Once the FIU collects this information, the IMF will assist in developing a risk matrix to assess and categorize the risk levels of these entities.

Outcomes

Activities & Outputs

To integrate the risk assessment process into the entity database, we collaborated with the IMF to discuss and outline the risk assessment methodology based on entity data collection. Following their guidance, I modified the database structure to accommodate the specific requirements for different categories of entities, including banks and DNFBPs. This involved creating four additional tables to capture the diverse information needed for risk assessment.

- Banks_data_collection
- Banks_questionnaire
- DNFBPs_data_collection
- DNFBPs_questionnaire

Upon reviewing the IMF-provided questionnaire and data collection templates, it became evident that using Google Forms was impractical due to the complex, two-dimensional nature of the questions. Some tables contained up to 60 fields, making them unsuitable for conversion into a one-dimensional format. After consulting with Boboy and Adair, we decided that entities would fill out the Excel files directly and submit them. Consequently, instead of storing the data field by field, the entire Excel file is stored as a record linked to the corresponding entity. The information will be easily accessible by directly opening the Excel file.

I established relationships between the main entity table and the four new tables by matching unique entity names. The interactive interface was also enhanced to facilitate adding, searching, and editing entries in these tables. Furthermore, I updated the user manual (see Appendix A) to include detailed instructions on navigating the process of adding, searching, and editing these tables, ensuring ease of use for the FIU staff.



Outcomes

The incorporation of risk assessment data into the entity database simplifies the management of comprehensive information and supports the FIU's objective of achieving full compliance with APG requirements. Although the database is not yet in active use—pending further steps such as regulatory revisions and extensive data collection—it establishes a solid foundation for the future

success of this initiative. This approach ensures that the FIU is well-prepared to implement and utilize the risk assessment database effectively once all preliminary tasks are completed.

IV. Debugging Digitization of Legacy Documentation

Motivation

Last year, a CMU student assisted the FIU in digitizing legacy papers by extracting Currency Transaction Reports (CTR) and Person in Transaction (PIT) forms and storing them in an Access database. However, due to time constraints, the capacity-building component of the project was not fully completed. As a result, staff members are not proficient in using the system. Additionally, the system is not user-friendly for non-experts, requiring numerous steps and script code modifications to operate effectively.

As I followed the manual to generate the CTR and PIT forms, I encountered several issues:

- Library Installation on New Computers: When the system is run on a new computer without the necessary libraries, users must download and install these libraries. This process can be challenging for non-technical users.
- Bank of Hawaii:
 - Cash Direction and Amount Extraction: The script fails to extract all the information regarding cash direction and cash amount. During debugging, I discovered that this issue arises because some images are read vertically when converting them into TXT files, leading to inaccuracies.
 - Missing Fields in PIT Forms: Some fields, such as firstName, middleName, gender, relationshipToTransaction, and idIssuingAuthority, are missing from the PIT forms, causing problems when uploading the form into the database.
- Bank Pacific: The script only generates the PIT form and fails to produce the CTR form. The PIT form generated has many missing fields.

Outcomes

Activities & Outputs

Debugging Scripts and Enhancements:

- convert_to_text.py: Added preprocess_image function to enhance image contrast and detect_and_rotate_image function to detect orientation and rotate images when necessary. Improved accuracy of converted TXT files for future extraction.
- bank_of_hawaii.py: Added fields and scripts to extract the corresponding field information. Improved regex pattern to capture information even when the conversion is not accurate.
- bank_pacific.py: Wrote code to generate the CTR form, generated ctrid for each record based on dates and the number of CTR records for that day, and linked each PIT record to the corresponding CTRID.

Version Control and Automation:

- Set up Git for version control to track changes more efficiently.
- Refactored for Bank of Hawaii and Bank Pacific to process multiple PDFs simultaneously.
- Wrote a batch file to run each script step-by-step with one click, simplifying the process.

Documentation and Training:

- Wrote a detailed manual (see Appendix B)on how to use the system, making it more accessible for users.
- Conducted a training session with Boboy to ensure proficiency in using the system, facilitating knowledge transfer and promoting long-term sustainability.

Outcomes & Indicators

The revised code significantly improves the accuracy of the extracted data by at least 50%. The script can now generate CTR and PIT forms for both Bank of Hawaii and Bank Pacific more reliably. While some manual checking is still required to fill out blanks or correct inaccuracies, all column names and orders are now correct and ready for database import.

Additionally, the need for users to manually install libraries has been eliminated, as the one-click batch file handles the installation process, making the system much more accessible. With the detailed manual, users can easily navigate the process of digitizing documents, enhancing overall usability and efficiency.

About the Consultant

Ruiming Alysson Gu is a rising senior in Information Systems with a minor in Business Analytics at Carnegie Mellon University. She took part in the Technology Consulting in the Global Community internship over the summer and will return in the fall to start her senior year at CMU.

Appendix A. Entity Registration Database Manual

Table of Contents

Process of Entity Registration

- 1. Send the form
- 2. Download the excel file
- 3. Upload to the database
- 4. Search Entity (Print Entity)
- 5. Edit Entity
- 6. Add Entity directly in Database

Maintain the Google Form and Database

Updating the Google Form

Updating the Database

Managing Questionnaire and Data Collection in Database

- 1) Add Questionnaire and Data Collection
- 2) Edit Questionnaire and Data Collection

Process of Entity Registration

1. Send the form

To send a form for people to fill out, follow these steps:

- 1. Access the Form:
 - Go to <u>https://docs.google.com/forms/d/16hE1qnoBK2G7GHRShyP4o-</u> OGbqqGm2meCzFlfIXIGw0/edit?pli=1&pli=1&edit_requested=true
 - Sign in with the admin specialist Google email address.
- 2. Open the Editor View:
 - · Click the pen icon in the lower-right corner to open the editor view.

		Designated Non-Financial Businesses or Professionals Enrollment Form			
		Please complete this form to inform the Financial Intelligence Unit of your business details and how or if you are captured as a reporting entity under the Money Laundering and Proceeds of Crime Act 2014 (MLPCA).			
		The completed form will sent to: adminspecialist@palaufu.org			
		adminspecialist@palauflu.org Switch accounts			
		* Indicates required question			
		Email *			
		Record adminspecialist@palaufiu.org as the email to be included with my response			
		Business Legal Name			
		Your answer			
		Abbreviated Name			
2 6		Your answer			
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		Professionals Enrollment Form		Tr	
		BIUGX			
		Please complete this form to inform the Financial Intelligence Unit of your business details and how o are captured as a reporting entity under the Money Laundering and Proceeds of Chine Act 2014 (MLP	r if you CA).	8	
		The completed form will sent to: administercial stritgelaulic.org		_	
		This form is externatically collecting enable from all respondents. Change settings			
		Business Legal Name Short-snewer text			

- In the dialog box that appears, enter the email addresses of the recipients.
- Click the "Send" button to distribute the form.

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 \cdot $\,$ After people fill out the form, you will receive an email notification about their responses.

2. Download the excel file

- Click "Responses" in the top bar.
- · Click "View in Sheets" to open a Google Sheets document with all the responses.

	Questions	Responses 2	Settings
2 responses			View in Sheets Opens Enked spreadsheet Accepting responses
Summary		Question	Individual
Who has responded?			
Email			
ruimingg@andrew.cmu.edu			
boboy680@gmail.com			

• In the upper left corner, click "File" and then select "Download" from the dropdown list. Choose "Microsoft Excel" to download the file.

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4	E	3 Email	Þ						
8	З	5 Download	٠	Microsoft Excel ((.xlsx)				
8	Ε.	Burrama		OpenDocument	(.ods)				
9		Prenative		PDE (ndf)					
10	G	Move		the opens					
12	6	Add a shortcut to Drive		web page (.ntmi)				
13	l s	T Move to bin		Comma-separate	ed values (.csv)				
14	1.1			Tab-separated vi	alues (.tsv)				
15	e	Version history							
16		National and the states							
18	G	y make available or filline							

 \cdot Open the Excel file on your computer and delete the second column ("email address") as it is not needed in our database.

• To avoid duplicate information, delete all responses after entering the data into the database. Click the three-dot icon (:) and select "Delete all responses."

Designated No	on-Financial Businesses or Profe	essiona 🗖	広 Resp	onses	2 Settings	O	0	đ	¢	Send	
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	Summary		Qu	90	Unlink form						
				÷	Download responses	(.csv)					
	Who has responded?			8	Print all responses						
	Email										
	cmail			Ū	Delete all responses						
	rulmingg@andrew.cmu.edu										

3. Upload to the database

a. Open the "Entity Registration Database", the main form will appear.

Financial Intelligence Unit Database	Financial Intelligence Unit Database				
Registered Entity	Registered Entity				
ADD EDIT	Import data using CSV/Excel File				
	Import CSV file Import Excel file				
SEARCH	Manually Import Records				
ABOUT	Add Entity				
EXIT	Back to Main Menu Exit				
Republic of Palau	Republic of Palau				

b. Click the "ADD" button

c. Select "Import Excel File." A dialog box will appear asking for the Excel file. Choose the file from your computer.

et External Data -	External Data - Excel Spreadsheet elect the source and destination of the data pedify the source of the definition of the objects. Eile name: C:\Users\UserDownloads\ pedify how and where you want to store the data in the current database. Ye will not import table relationships, calculated columns, validation rules, default values, and columns of cel where are IDE Divert.				
Select the so	urce and destination of the d	lata			
Specify the sour	ce of the definition of the objects.				
<u>F</u> ile name:	C:\Users\User\Downloads\			Browse	
Specify how and	l where you want to store the data in	the current database.			
We will not impo such as OLE Obj	ort table relationships, calculated coll ect.	umns, validation rules, o	default values, and columns of c	ertain legacy data types	
Search for "Impo	rt" in Microsoft Access Help for more	information. re current database.			
If the sp content	pecified table does not exist, Access w is with the imported data. Changes m	vill create it. If the speci nade to the source data	ied table already exists, Access r will not be reflected in the data	might overwrite its base.	
O Append	I a copy of the records to the table:	Entities			
If the sp Change	pecified table exists, Access will add the source data will not be	he records to the table. E reflected in the databa	If the table does not exist, Accestics	ss will create it.	
🔿 Link to	the data source by creating a linked '	table.			
Access be refie	will create a table that will maintain a cted in the linked table. However, the	link to the source data e source data cannot be	in Excel. Changes made to the s changed from within Access.	ource data in Excel will	
			OK	Cancel	

d. Select "Append a copy of the records to the table."

e. Click "OK," then "Next," and finally "Finish." The data is now imported into the database.

4. Search Entity (Print Entity)

- Click "Search Entity" from the main menu.
- \cdot Search for an entity based on "Business Legal Name," "Abbreviated Name," "Compliance Officer Name," or type of entity. (Use the dropdown list to select an entity that is already in the database.)
 - After searching for an entity, click "Print Entity" to print the specific entity's information.

	IN	TELLIGENCE	Un	IAL IT DATABASE	
Business Legal Name Abbrevlated Name npllance Officer Name	Surangel & Sons	Company :	9 9 9	Financial Institu Non-deposit Tal Designated Non	tions ding Financial Institutions -financial Business or Professional Secto
ntity Details					
EntityID		2	TI	mestamp	
Business Legal Name	Surangel & Sons	s Company	EI	N	123-456
Abbreviated Name	S&SCO		Fir	nancial Institutions	
Corporation Number	0123456		No	on-deposit Taking	Option 1
FIAC Number	FIAC2024-001		Fir	nancial Institutions	
Website	sandscompany(gmall.com	fin	signated Non- ancial Business	
Trading Name	Surangel Super	Center	an Se	d Professionals ctors	
Physical Address (ham	Ngetkib, Airai		Se	rvice	Managing client funds
Postal Address	P.O. Box 012345	6			
Compliance Officer Name	Mason Whipps				
Compliance Officer Phone Number	587-0125				Print Entity
Compliance Officer Email Address	mwhipps@sura	ngel.com			

5. Edit Entity

- · Click "Search Entity" from the main menu.
- Search for the entity you want to edit.
- \cdot $\,$ After locating the entity, make changes in the form below. The changes are automatically saved.
- \cdot $\,$ To ensure the changes were applied, search for the entity again to verify the updated information.

6. Add Entity directly in Database

You can manually import data into the database by clicking "Add Entity." A form will appear asking for the necessary information. To save the information, click "Save and Exit." If you do not want to save the information, click "Exit without Save."

	Fin Intelligence	UNIT DATABASE	
EntityID	1	FIN	
Business Legal Name		Financial Institutions	
Abbreviated Name		Non-deposit Taking	-
Corporation Number		Financial Institutions	
FIAC Number		financial Business and Professionals Sectors	
Website		Service	-
Trading Name			
Physical Address		_	
Postal Address			
Compliance Officer Name			
Compliance Officer Phone Number			
Compliance Officer Email Address			

Maintaining the Google Form and Database

When you need to add fields to the form, you must also update the database table and various forms. Follow this process to update the Google Form and the database:

Updating the Google Form

- 1) Click the question where you want to add the new question.
- 2) Click the add icon.

∷	Designated Non-Financial Busir 🗀 🚖 All changes saved in Drive 😳 💿 🕤 C Send	÷	A
	Questions Responses 2 Settings		
	Compliance Officer Phone Number Short-answer text		
	Compliance Officer Email Address - Short answer	Add quer	ntion
	B I U 🖘 🕅	Tr	
	Short-answer levi	-	
		×	
	🗋 🔟 Required 🔵 📜 🗄		
	EIN		
	Short-answer text		
	After section 1 Continue to next section	(0

3) Type in the question and select the question type (e.g., short answer, multiple choice, checkbox, dropdown, etc.).

			Ð
Question		Multiple choice •	0
	_		Ð
BIUGX			Тт
Option 1			
Add option or Add "Other"			•
-			
	D	🗓 Required 🔵	

Note: Each new question will appear as the last column in the Excel sheet. This indicates where to adjust the database table.

Updating the Database

- 1) Update the Entities Table
 - a. Open the database and click the "Entities" table.
 - b. Add the new field to the last column, ensuring the field name matches the question in

the Google Form exactly.

🗄 २-९- -	Entity Registration Database	: Database- C:\Users\User\Deskto	p\Entity Registration Da Sign in	- o ×
File Home Ci	eate External Data	Database Tools Help T	Table Fields Table 🔎 Te	ell me
View Paste I	$ \begin{array}{c c} & 2\downarrow & \uparrow & & \\ \hline & & & \\ Filter & & & \\ & 2 & & & \\ & & 2 & & \\ & & & &$	$ \begin{array}{c c} & \Sigma & & & & \\ \hline \square & & & \\ \hline \square & & & \\ \hline \blacksquare & & & \\ & \times & & \\ \hline & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ $	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	i≡ i≡ • •
Views Clipboard 🕠	Sort & Filter F	tecords Find	Text Formatting	5 ×
Custom © « Search. 0 Custom Group 1 >	Entities × Non-deposit Taking +	Designated Non-financial + Attorneys	Service - Click to Add - Buying or sellir	
Unassigned Ob 🛠	Option 1		Managing clien	
Entities	option1		Engaging in or	
EntityPrintQuery		High Value Deader	Providing a reg	
1SplashScreen		High Value Deader	Providing a reg	
2MainMenuForm		0	Acting as a forr	
3AddForm		High Value Deader	Providing a reg	
4AddEntity			Acting as a forr	
5SearchForm	*			
SearchEntity				
7EditEorm				
Controllin				
Concentity				
SADOULFORM				
editsubform				
-B searchsubform				
EntityPrint				

2) Update Database Components



b. AddEntity Form: Open the form in Design View. Add the new field in an appropriate location.

		And Data Record	b (A., S	șn n	- 0
File Herne Create External Data Database Tools Help Form Design Arrange For	mat 🖉	P Tell me w	hat you wai	rt to do	
View View Thomas A for L- Chart- Chart-	🔤 Logo 🖹 Title 🔀 Date and	d Time Ad	id Existing Pr Fields	operty 1 Sheet 0	Tab Chart Inder Settings
Views Themes Controls	Header / F	pater		Tools	
Custom © « Entities × 🐨 EntityPrintOuery × 🗃 3AddForm × 🖬 4AddEntity ×					
SearchO				,	
Unassigned Ob x FINANCIAL					
INTELLIGENCE UNIT DATABASI	E.				
Orlai IsplashServen EntityID EntityID	ED	N			
2ManMenuForm Business Stellal Business Logal Name		-			
TadeForm . Name Financial Instituti	lons Fir	nancial Instit	tutions		~
Abbreviated Name					
SearchForm Name Bidon-dispositi Taki	ng No	on-deposit T	Taking Finan	icial Insti	itut 🗸 🗄
Corporation Corporation Number					
Eleventer Eleven	s and	signated No	on financia	Busines	s ai 🗸 🗄
Whoufform 2 FIAC Number	See.				
disublem Buohite Buohite	Se	rvice			~
searchrubform					
Trading Name					
Physical Physical Address (hamlet) Address					
RollsEAddiess Postal Address					
Compliance Officer Name					
- Officer Name					
Compliance Compliance Officer Phone Number					
Number					
Compliance Complement Officer Land Address					
Officer Callant					
Address					
Save and Exits Ex	at without S	ave			

c. SearchEntity Form: Open the form in Design View. Add the new field in the form below.



d. EditEntity Form: Open the form in Design View. Add the new field in the form below (similar to SearchEntity).

- e. EntityPrint Report:
 - i. Open the report in Design View.
 - ii. Add the new field in an appropriate location.
 - iii. Right-click and select "Properties."

View Parts & For	H Advanced × Uk3 Filme Advanced × 20 Remove Set ⊽ Toggie Film Al ×	Essve ∜Speling ×Delate = ⊞Mane =	⇒Gollov ≱Selectv	B J ∐ 55 55 ×1 <u>A</u> - <u>A</u> - <u>A</u> - <u>B</u> - <u>B</u>	- .
Views Clipboa	Sort & Filter	Records	Find	Tert Formattin	a 6
Custom ⊙ «	EntityPrint ×				
Search.					
Custom Group 1 ×	# Page Header				
Unassigned Ob A	En	tity Print			
TolityPrintQuery	• Detail				
1SplashStreen	Timestam				
2MainMenuForm	-				
3 SAddform	EntityID				
4AddEntity	Business Legel Hame Business L	egal Name			
3 StearchForm	Abbroviated Name Abbreviat	ed Name			
6SearchEntity				Build Event	
7EditForm	. Corporation Number Corporatio	in Number	D=	Sorting and Grouping	
3 Stdittrity	FIAC Number FIAC Num	ber	2	Tab Order	
9AboutForm	Website		- R	Paste	
editsubform			2	Fill/Back Color +	
a search ablorn	. Instant Unserner	ime		Alternate Fill/Back Color +	
EntityPrint	Physical Address (hamiet) Physical A	ddress (hamlet)	- E	Buler	
	Postal Address Postal Add	hess		Ggd	
			1	Toolbog	
	. compliance on cer Name Complian	Se Catricer Name	<u> </u>	Page Header/Footer	
	Compliane Officer Compliane	e Officer Phone Number		Report Header/Footer	
	Phone Number			Beport Properties	
	Compliance Officer Compliant	e Officer Email Address		Properties	J
	EBBRI ADDESS				
	EIN EIN EIN EIN	nstitutions			

- iv. In the Property Sheet, select "Report."
- v. Go to the "Data" tab and locate "Record Source."

Property Sheet Selection type: Report	× 2↓
Report	
Format Data Event Other All	
Record Source Filter	EntityPrintQuery
Filter On Load	No
Order By	
Order By On Load	Yes
Allow Filters	Yes

vi. Click the three dots on the right to open the query builder.vii. Add the new field at the end.



Managing Questionnaire and Data Collection in Database

Financial Intelligence Unit Ruiming Gu, Student Consultant Page 22 of 30 July 30, 2024

1) Add Questionnaire and Data Collection

- In the main form, click the "ADD" button.
- Under "Manually import records," select the type of data you want to add.



- A pop-up window will appear, prompting you to enter the name and attachment.
- · Click the attachment box.
- Click the attachment box, then click "Add" and choose a file from your computer.
- Click "OK" to save the record.

3 4AddEntity		X aAddEntity	×
Finai Intelligence U	ncial Jnit Database	Financial Intelligence Unit Dat	ABASE
DNFBP Name Attachment		DNFBP Name Attachments Attachments (Double-click to open)	X Add Bemove Quen Save At
Save and Exits	Exit without Save		Saye All
			OK Cancel

2) Edit Questionnaire and Data Collection

 \cdot In the main form, click the "EDIT" button. In the Edit page, select the type of data you want to edit.

Financial Intelligence Unit Database Registered Entity
Edit Entity
Edit Banks_data_collection
Edit DNFBPs_data_collection
Edit Banks_Questionnaire
Edit DNFBPS_Questionnaire
Back to Main Menu Exit
Republic of Palau

- A pop-up window will appear.
- Enter the name of the entity you want to edit and click "Search".
- · Click the attachment box to edit the file You can remove the existing file and add a new Excel

file to update the data.

• Click "OK" to save the change.

Search_bank_data_collection	×		
Financial Intelligence Unit Database		Attachments	×
Bank Name Goldman Sachs	~	Attachments (Double-click to open)	<u>A</u> dd
Search Clear			Remove Open
Attachment			<u>Save As</u> Sa <u>v</u> e All
L		ОК	Cancel

Appendix B. Manual for Digitizing Legacy Information

Financial Intelligence Unit Ruiming Gu, Student Consultant

Introduction

This manual provides step-by-step instructions for non-technical users to digitize legacy information. The tool processes scanned PDF documents, extracts relevant information, and generates Excel reports.

Bank of Hawaii

Step-by-Step Instructions

- 1. Download and Install Python: (only if the computer does not have Python)
 - a. Go to the Python website. <u>https://www.python.org/</u>
 - b. Download the latest version of Python for Windows.
 - c. Run the installer and make sure to check the option "Add Python to PATH".
- 2. Go to "Bank of Hawaii" folder.

Name	Date modified	Туре	Size
📩 .idea	6/19/2024 2:18 PM	File folder	
pycache	6/11/2024 10:08 AM	File folder	
Bank of Guam	6/11/2024 2:39 PM	File folder	
🧮 Bank of Hawaii	6/19/2024 1:48 PM	File folder	
📒 Bank Pacific	6/19/2024 2:12 PM	File folder	
result	6/11/2024 9:36 AM	File folder	
venv	6/11/2024 11:21 AM	File folder	
venv1	6/6/2024 2:22 PM	File folder	
venv2	6/5/2024 1:57 PM	File folder	
🔒 bankofGuam2	6/5/2024 2:43 PM	Adobe Acrobat D	14,645 KB
👃 bankofGuam3	7/20/2023 1:17 AM	Adobe Acrobat D	1,024 KB
💼 Manual for digitize the legacy report	8/3/2023 3:30 PM	Microsoft Word D	5,297 KB

3. Put the scanned pdf report into "scanned pdf" folder. (can be multiple pdf files)

Name	Date modified	Туре	Size
pycache	6/19/2024 1:36 PM	File folder	
🚞 scanned pdf	6/19/2024 1:48 PM	File folder	
bankofhawaii	6/19/2024 1:31 PM	Python Source File	12 KB
convert_to_txt	6/7/2024 1:48 PM	Python Source File	8 KB
G ORCHESTRATION	6/19/2024 1:36 PM	Windows Batch File	1 KB
requirements	6/11/2024 10:08 AM	Text Document	1 KB
setup_and_run	6/19/2024 1:35 PM	Python Source File	3 KB

4. Double click "ORCHESTRATION" and wait for it to finish running.

pycache	6/19/2024 1:36 PM	File folder	
📒 scanned pdf	6/19/2024 1:48 PM	File folder	
🔹 bankofhawaii	6/19/2024 1:31 PM	Python Source File	12 KB
convert_to_txt	6/7/2024 1:48 PM	Python Source File	8 KB
S ORCHESTRATION	6/19/2024 1:36 PM	Windows Batch File	1 KB
requirements	6/11/2024 10:08 AM	Text Document	1 KB
setup_and_run	6/19/2024 1:35 PM	Python Source File	3 KB

It will pop up the command page with some process information like "Processing Bank of Hawai3.pdf...".



When it finishes running, it will show "Press any key to continue". Just press any key to exit.

5. Click into "output folder".

Name	Date modified	Туре	Size
pycache	6/19/2024 1:36 PM	File folder	
📒 output	6/19/2024 2:31 PM	File folder	
🚞 scanned pdf	6/19/2024 1:48 PM	File folder	
bankofhawaii	6/19/2024 1:31 PM	Python Source File	12 KB
convert_to_txt	6/7/2024 1:48 PM	Python Source File	8 KB
	6/19/2024 1:36 PM	Windows Batch File	1 KB
requirements	6/11/2024 10:08 AM	Text Document	1 KB
setup_and_run	6/19/2024 1:35 PM	Python Source File	3 KB

The excel results of CTR and PIT are listed.

Name Bank_ot_Hawaii I	Date modified b/ 19/2024 2:37 PM	Type File folder	Size	
Bank_of_Hawaii2	6/19/2024 2:38 PM	File folder		
🧧 Bank_of_Hawaii6	6/19/2024 2:40 PM	File folder		
Bank_of_Hawai3_CTR	6/19/2024 2:31 PM	Microsoft Excel W	7 KB	
Bank_of_Hawai3_PIT	6/19/2024 2:31 PM	Microsoft Excel W	17 KB	
Bank_of_Hawai4_CTR	6/19/2024 2:33 PM	Microsoft Excel W	7 KB	
🕼 Bank_of_Hawai4_PIT	6/19/2024 2:33 PM	Microsoft Excel W	15 KB	
🖬 Bank_of_Hawai5_CTR	6/19/2024 2:34 PM	Microsoft Excel W	7 KB	
🖬 Bank_of_Hawai5_PIT	6/19/2024 2:34 PM	Microsoft Excel W	16 KB	
🖬 Bank_of_Hawaii0_CTR	6/19/2024 2:37 PM	Microsoft Excel W	7 KB	
🖬 Bank_of_Hawaii0_PIT	6/19/2024 2:37 PM	Microsoft Excel W	19 KB	
Bank_of_Hawaii1_CTR	6/19/2024 2:38 PM	Microsoft Excel W	7 KB	
Bank_of_Hawaii1_PIT	6/19/2024 2:38 PM	Microsoft Excel W	17 KB	
Bank_of_Hawaii2_CTR	6/19/2024 2:40 PM	Microsoft Excel W	7 KB	
Bank_of_Hawaii2_PIT	6/19/2024 2:40 PM	Microsoft Excel W	16 KB	
Bank_of_Hawaii6_CTR	6/19/2024 2:42 PM	Microsoft Excel W	7 KB	
🖬 Bank_of_Hawaii6_PIT	6/19/2024 2:42 PM	Microsoft Excel W	16 KB	

Bank Pacific

Financial Intelligence Unit Ruiming Gu, Student Consultant

Step-by-Step Instructions

- 1. Download and Install Python: (only if the computer does not have Python)
 - a. Go to the Python website. <u>https://www.python.org/</u>
 - b. Download the latest version of Python for Windows.
 - c. Run the installer and make sure to check the option "Add Python to PATH".
- 2. Go to "Bank Pacific" folder.

Name	Date modified	Туре	Size
🚞 .idea	6/19/2024 2:18 PM	File folder	
pycache	6/11/2024 10:08 AM	File folder	
🚞 Bank of Guam	6/11/2024 2:39 PM	File folder	
Bank of Hawaii	6/19/2024 2:47 PM	File folder	
🚞 Bank Pacific	6/19/2024 2:12 PM	File folder	
🚞 result	6/11/2024 9:36 AM	File folder	
n venv	6/11/2024 11:21 AM	File folder	
🚞 venv1	6/6/2024 2:22 PM	File folder	
nenv2	6/5/2024 1:57 PM	File folder	
leankofGuam2	6/5/2024 2:43 PM	Adobe Acrobat D	14,645 KB
leankofGuam3	7/20/2023 1:17 AM	Adobe Acrobat D	1,024 KB
🗐 Manual for digitize the legacy report	8/3/2023 3:30 PM	Microsoft Word D	5,297 KB

3. Put the scanned pdf report into "scanned pdf" folder. (can be multiple pdf files)

Name	Date modified	Туре	Size	
pycache	6/19/2024 1:53 PM	File folder		
🚬 scanned pdf	6/19/2024 1:51 PM	File folder		
bankPacific	6/19/2024 1:17 PM	Python Source File	12 KB	
convert_to_txt	6/19/2024 12:57 PM	Python Source File	8 KB	
G ORCHESTRATION	6/19/2024 1:52 PM	Windows Batch File	1 KB	
requirements	6/11/2024 10:08 AM	Text Document	1 KB	
setup_and_run	6/19/2024 2:05 PM	Python Source File	4 KB	

4. Double click "ORCHESTRATION" and wait for it to finish running.

pycache	6/19/2024 1:53 PM	File folder	
🚞 scanned pdf	6/19/2024 2:49 PM	File folder	
bankPacific	6/19/2024 1:17 PM	Python Source File	12 KB
BankPacific5	6/12/2024 3:08 AM	Adobe Acrobat D	506 KB
🔒 BankPacific6	6/12/2024 3:09 AM	Adobe Acrobat D	306 KB
BankPacific7	6/12/2024 3:11 AM	Adobe Acrobat D	342 KB
BankPacific8	6/12/2024 3:02 AM	Adobe Acrobat D	776 KB
BankPacific9	6/12/2024 3:12 AM	Adobe Acrobat D	444 KB
convert_to_txt	6/19/2024 12:57 PM	Python Source File	8 KB
S ORCHESTRATION	6/19/2024 1:52 PM	Windows Batch File	1 KB
requirements	6/11/2024 10:08 AM	Text Document	1 KB
setup_and_run	6/19/2024 2:05 PM	Python Source File	4 KB

It will pop up the command page with some process information like "Processing BankPacific0.pdf...".



When it finishes running, it will show "Press any key to continue". Just press any key to exit.6. Click into "output folder".

Name	Date modified	Туре	Size
늘pycache	6/19/2024 1:53 PM	File folder	
늘 output	6/19/2024 2:51 PM	File folder	
🔁 scanned pdf	6/19/2024 2:49 PM	File folder	
bankPacific	6/19/2024 1:17 PM	Python Source File	12 KB
BankPacific5	6/12/2024 3:08 AM	Adobe Acrobat D	506 KB
🔊 BankPacific6	6/12/2024 3:09 AM	Adobe Acrobat D	306 KB
BankPacific7	6/12/2024 3:11 AM	Adobe Acrobat D	342 KB
BankPacific8	6/12/2024 3:02 AM	Adobe Acrobat D	776 KB
BankPacific9	6/12/2024 3:12 AM	Adobe Acrobat D	444 KB
convert_to_txt	6/19/2024 12:57 PM	Python Source File	8 KB
S ORCHESTRATION	6/19/2024 1:52 PM	Windows Batch File	1 KB
requirements	6/11/2024 10:08 AM	Text Document	1 KB
setup_and_run	6/19/2024 2:05 PM	Python Source File	4 KB

The excel results of CTR and PIT are listed.

Name	Date modified	Туре	Size
BankPacific0	6/19/2024 2:50 PM	File folder	
BankPacific1	6/19/2024 2:50 PM	File folder	
ankPacific2	6/19/2024 2:51 PM	File folder	
📒 BankPacific3	6/19/2024 2:51 PM	File folder	
📒 BankPacific4	6/19/2024 2:52 PM	File folder	
BankPacific0_CTR	6/19/2024 2:50 PM	Microsoft Excel W	5 KB
BankPacific0_PIT	6/19/2024 2:50 PM	Microsoft Excel W	7 KB
BankPacific1_CTR	6/19/2024 2:51 PM	Microsoft Excel W	5 KB
BankPacific1_PIT	6/19/2024 2:51 PM	Microsoft Excel W	7 KB
BankPacific2_CTR	6/19/2024 2:51 PM	Microsoft Excel W	5 KB
BankPacific2_PIT	6/19/2024 2:51 PM	Microsoft Excel W	6 KB
BankPacific3_CTR	6/19/2024 2:52 PM	Microsoft Excel W	6 KB
BankPacific3_PIT	6/19/2024 2:52 PM	Microsoft Excel W	8 KB
BankPacific4_CTR	6/19/2024 2:52 PM	Microsoft Excel W	5 KB
BankPacific4_PIT	6/19/2024 2:52 PM	Microsoft Excel W	6 KB