



WS: Pacific Regional Connectivity Program: Phase 3 - Samoa (P128904)

EAST ASIA AND PACIFIC | Samoa | Digital Development Global Practice |
IBRD/IDA | Investment Project Financing | FY 2015 | Seq No: 11 | ARCHIVED on 31-May-2020 | ISR40622 |

Implementing Agencies: Ministry of Finance, Independent State of Samoa, Samoa Bureau of Statistics, Samoa Submarine Cable Company, Office Of The Regulator

Key Dates

Key Project Dates

Bank Approval Date: 19-Jun-2015

Effectiveness Date: 04-Sep-2015

Planned Mid Term Review Date: 23-Jul-2018

Actual Mid-Term Review Date: 20-Aug-2018

Original Closing Date: 31-Jul-2020

Revised Closing Date: 30-Jun-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project development objective is to reduce the cost and increase the availability of Internet services in the Independent State of Samoa.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

Yes

Board Approved Revised Project Development Objective (If project is formally restructured)

The Project Development Objectives are: (a) to reduce the cost and increase the availability of internet services; and (b) to facilitate the development of initial foundations for digital government, including digital identification.

Components Table

Name

Component 4 (a)): Legal and regulatory enabling environment:(Cost \$0.50 M)
Component 4 (b) Advisory Assistance on a Samoa Digital Government Platform:(Cost \$0.40 M)
Component 4 (c): Establishing the NDID system and upgrading the CR system:(Cost \$3.20 M)
Component 1 (a) Submarine Cable System:(Cost \$33.00 M)
Component 1 (b) Landing stations and ancillary equipment:(Cost \$2.85 M)
Component 1(c) Additional costs:(Cost \$7.41 M)
Component 2. ICT Regulatory Technical Assistance:(Cost \$1.47 M)
Component 3. Project implementation and administration:(Cost \$1.11 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Satisfactory
Overall Risk Rating	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

Implementation Status and Key Decisions



- Submarine Cable System:** This component has been completed. The Tui Samoa cable was ready for service (RFS) in February 2018 and has been operating since that time. Additional spurs to Wallis & Futuna and Savusavu (Fiji) are also now in service. Telecom/internet service providers are reporting significant increase in the volume of data usage. They are now offering new data plans and prices typically with increased data.
- Regulatory technical assistance.** The Office of The Regulator (OOTR) continues with implementation of its business plan notwithstanding recent operational challenges. It is currently operating from temporary premises. OOTR will need to maintain proactive in monitoring sector developments and continuing to enhance the capabilities of its staff.
- Project Restructuring.** The Project was restructured in August 2019: closing date extended to June 30, 2022. In addition, savings were allocated to a new Digital ID --Component 4. This is supporting the Government in three interrelated key areas: (a) digital legislation, (b) digital Government platform options assessment and high-level design, and (c) digital ID program design and implementation. The Government has procured consultants for legal advisory assistance under 4 (a) and the team mobilized remotely to start the work in April 2020. An Inception Report was delivered on May 15. Technical/design consultants for digital ID and civil registration systems have been recruited and have commenced work remotely. Consultancies for Digital Government Platform under 4(b) and for communications advisory assistance under 4(c) are in progress.
- APIP grant extension.** Government has requested the extension of the cofinancing APIP grant to June 30, 2022.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	☐ Moderate	☐ Moderate	☐ Moderate
Macroeconomic	☐ Moderate	☐ Moderate	☐ Moderate
Sector Strategies and Policies	☐ Moderate	☐ Moderate	☐ Moderate
Technical Design of Project or Program	☐ Substantial	☐ Moderate	☐ Moderate
Institutional Capacity for Implementation and Sustainability	☐ Substantial	☐ Moderate	☐ Moderate
Fiduciary	☐ High	☐ Substantial	☐ Substantial
Environment and Social	☐ Low	☐ Moderate	☐ Moderate
Stakeholders	☐ Substantial	☐ Substantial	☐ Substantial
Other	☐ Substantial	☐ Substantial	☐ High
Overall	☐ Substantial	☐ Substantial	☐ Substantial

Results

PDO Indicators by Objectives / Outcomes

Impact on Telecom sector of WB Technical Assistance composite score: 1- low impact to 5-high impact)

► Impact on Telecom sector of World Bank TA to OOTR (composite score: 1- low impact to 5-high impact) (Number, Custom)

Baseline	Actual (Previous)	Actual (Current)	End Target
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Value	1.00	5.00	5.00	5.00
Date	19-Jun-2015	31-Oct-2019	25-Mar-2020	30-Jun-2022
Comments:	<i>Cable in service Feb 2018, Regulator support largely completed.</i>			

Users of Mobile Internet Services (number of unique subscribers per 100 people)				
▶ Access to Internet Services (number of subscribers per 100 people) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	27.00	52.00	54.00	55.00
Date	19-Jun-2015	31-Oct-2019	25-Mar-2020	30-Jun-2022
Comments:	The number of unique mobile broadband (3G and 4G) subscribers is 54% of all unique subscribers. Total unique subscribers estimated at 96,900, of a total of 144,300 subscriptions (excl IoT) (up 1.15%). 122,000 Broadband capable handsets in use. 2G subscriptions 15.7%, down 4.6% over the year. 3G subscriptions 52.13% and declining, 4G subscriptions 32.14% up by 7.50% over the year.			
▶ Retail price of internet services (lowest published price 2Gb data volume) (Amount(USD), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	16.00	4.00	1.10	5.00
Date	30-Apr-2019	31-Oct-2019	25-Mar-2020	30-Jun-2022
Comments:	For min 2GB plan. Vodafone - US\$1.89. Digicel - US\$1.10, CSL - US\$ 1.30			
▶ Retail price of internet services-business (lowest published price 50Gb data volume) (Amount(USD), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	80.00	80.00	30.00	30.00
Date	30-Apr-2019	31-Oct-2019	25-Mar-2020	30-Jun-2022
Comments:	50GB business service Digicel US\$70 , CSL US\$30. Note these are rack rates. Actual prices are subject to negotiation and any related / complementary purchases by the subscriber.			

Direct Project Beneficiaries				
▶ Direct Project beneficiaries. (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	95,600.00	104,600.00	96,000.00
Date	19-Jun-2015	31-Oct-2019	25-Mar-2020	30-Jun-2022



Comments: End target project beneficiaries is 50% of the 2014 population (i.e. 96,000). Tui Samoa Cable impact is from Feb-2018. Beneficiaries are the population of unique subscribers of mobile (96,600) or landline (6000) services. Additionally, Samoa has 75,600 persons under 15 and 9,700 over 65 (total 85,300) and beneficiaries can be dependents of users (which would indicate that beneficiaries are most of the population of 198,400)). However, unique subscriber beneficiaries are cited.

► Project beneficiaries (female) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	86,152,000.00	56,200.00	48,000.00
Date	19-Jun-2015	31-Oct-2019	25-Mar-2020	30-Jun-2022

Comments: Previous period data has an error that is corrected with this data. End target project female beneficiaries is 50% of the 2014 female population (i.e. 48,000). Female beneficiaries include any female Internet or telecom user. In Samoa, female users of Internet exceed male users (55% vs 45% - ref published stats of Facebook, Internet World (Jun 2019) and OOTR digital inclusion survey (2017). Additionally 55% of females under 15 and over 65 (85,300) are dependant beneficiaries. However, estimated unique female subscriber beneficiaries are cited.

Grievances registered related to delivery of project benefits addressed.

► Grievances registered related to delivery of project benefits addressed. (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	19-Jun-2015	31-Mar-2019	25-Mar-2020	30-Jun-2022

Comments: No grievances registered during past life of the project.

Beneficiaries that feel project investment reflected their needs - female.

► Beneficiaries that feel project inv. reflected their needs - female. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	43,076.00	46,500.00	36,000.00
Date	19-Jun-2015	31-Mar-2019	25-Mar-2020	30-Jun-2022

Comments: End Target is 75% of female beneficiaries of the original (2014) expected subscriber base. Tui Samoa Cable impact available from Feb-2018. Female beneficiaries are subscribers in 3G/ 4G coverage or in landline areas (93,000). Survey not conducted as at Feb 2020 but estimated from subscriber and grievance data.

Beneficiaries that feel project investment reflected their needs - male.



► Beneficiaries that feel project investment reflected their needs - male. (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	46,000.00	46,000.00	36,000.00
Date	19-Jun-2015	31-Mar-2019	25-Mar-2020	30-Jun-2022
Comments:	End Target is 75% of male beneficiaries in the original expected coverage area. Tui Samoa Cable impact available from Feb-2018. Male beneficiaries are males in 3G/ 4G coverage or in landline areas (92,000). Survey not conducted as at Feb 2020 but estimated from subscriber and grievance data.			

Wholesale Internet Bandwith Price (\$/Mbps/month)				
► Wholesale Internet Bandwith Price (\$/Mbps/month) (Amount(USD), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,500.00	107.00	107.00	400.00
Date	19-Jun-2015	31-Oct-2019	25-Mar-2020	30-Jun-2022
Comments:	Tui Samoa Cable impact is from Feb-2018. Prior capacity via SAS/ASH cable, geostationary satellite and O3B satellite is now decommissioned. Price cited is for 1Gbps capacity purchase per the registered Reference Offer in US\$/Mbps/month for most common capacity sold (note capacity in service is less than capacity sold). Price represents the price associated with product that has been sold, not with the lowest possible price (which is achieved by purchase of a 15 years IRU for 10Gbps).			

Available International Bandwidth (mbps)				
► Available International Bandwidth (mbps). (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	250.00	7,500.00	9,600.00	3,000.00
Date	19-Jun-2015	31-Oct-2019	25-Mar-2020	30-Jun-2022
Comments:	Bandwidth in service. (Lit capacity is 2x 100 Gbps lit to Suva; connected capacity to USA, Australia (9.5 Gbps) and Fiji (100Mbps) total ex Samoa is 9.6 Gbps).			

Coverage of the NDID system				
► Percentage of Samoa's resident population who have received their credentials from the NDID system (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	01-Jun-2019	01-Jun-2019	25-Mar-2020	30-Jun-2022



► Population who have received their credentials from the NDID system of whom are women and girls (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
Date	01-Jun-2019	01-Jun-2019	25-Mar-2020	30-Jun-2022

The NDID system is used for service delivery				
► Number of institutions using the NDID system for automated identity authentication of their clients (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	01-Jun-2019	01-Jun-2019	25-Mar-2020	30-Jun-2022
Comments:	NDID System in not yet operational.			

Intermediate Results Indicators by Components

Component 1 (a) Submarine Cable System				
► Length of Fiber Optic Network Built (km) (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,385.00	1,385.00	1,300.00
Date	19-Jun-2015	31-Oct-2019	25-Mar-2020	31-Jul-2020
Comments:	Cable laying was completed in Jan 2018. No change since then.			

Component 3. Project implementation and administration				
► National installed data capacity (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,433.00	4,500.00	48,000.00
Date	19-Jun-2015	31-Oct-2019	25-Mar-2020	31-Jul-2020
Comments:	Operators in Samoa can draw on up to 9,600 Mbps connectivity. Local, current capacity to accommodate variable demand is operational capacity which exceeds 4.5 Gbps. (Peak data traffic reported below). Value as at 25-Mar-2020 is more than 4,500.00.			



▶ Available (lit optical and contracted satellite) International Bandwidth (mbps) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	250.00	7,500.00	9,600.00	3,000.00
Date	19-Jun-2015	31-Oct-2019	25-Mar-2020	31-Jul-2020
Comments:	Samoa operators have 2x 100Gbps lit wavelengths ex Samoa and more than 11Gbps of available lit capacity to overseas destinations including satellite as on demand backup.			
▶ Monthly volume of data downloaded--all service providers (Terabytes) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	650.00	650.00	1,542.00	1,250.00
Date	30-Apr-2019	31-Oct-2019	25-Mar-2020	30-Jun-2022
Comments:	Data is total TeraBytes of all operators during the peak month during the period Nov 2019 through end Mar 2020.			
▶ Monthly peak data rate (speed of data download from Tui Samoa cable to all service providers in Samoa) (Mbps) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	4.00	4.00	4.61	7.00
Date	30-Apr-2019	31-Oct-2019	25-Mar-2020	30-Jun-2022
Comments:	Peak down load data rate during the period Nov 2019 through end Mar 2020.			

Component 1 (b) Landing stations and ancillary equipment				
▶ Private Capital Mobilized (Amount(USD), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6,540,000.00	6,540,000.00	8,000,000.00
Date	19-Jun-2015	31-Oct-2019	25-Mar-2020	31-Jul-2020
Comments:	Unchanged. Refer to Corporations register of Samoa. Additional private capital has been mobilised for the Manatua cable based on the same model as for the Tui Samoa cable.			

Component 4 (a) Legal and regulatory enabling environment				
▶ Law establishing National Digital ID System is enacted (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	No	No	No	Yes
Date	01-Jun-2019	31-Oct-2019	25-Mar-2020	30-Jun-2020

Component 4 (b) Advisory Assistance on a Samoa Digital Government Platform

► Government digital platform implementation options assessment completed (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jun-2019	31-Oct-2019	25-Mar-2020	30-Jun-2020
Comments:	TA to assist Government assessment is in evaluation			

Component 4 (c): Establishing the NDID system and upgrading the CR system

► NDID implementation strategy developed (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jun-2019	31-Oct-2019	25-Mar-2020	30-Jun-2020

► NDID awareness campaign and public consultations launched (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jun-2019	31-Oct-2019	25-Mar-2020	31-Dec-2020

► NDID system enrollment begins (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jun-2019	31-Oct-2019	25-Mar-2020	31-Mar-2021

► NDID system begins automated authentication (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jun-2019	31-Oct-2019	25-Mar-2020	30-Jun-2021





► New civil registration software is operational (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jun-2019	31-Oct-2019	25-Mar-2020	30-Dec-2021
► NDID and CR systems sharing data on births and deaths (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jun-2019	31-Oct-2019	25-Mar-2020	31-Mar-2022
Comments:	NDID system not yet operational.			

Performance-Based Conditions

Data on Financial Performance

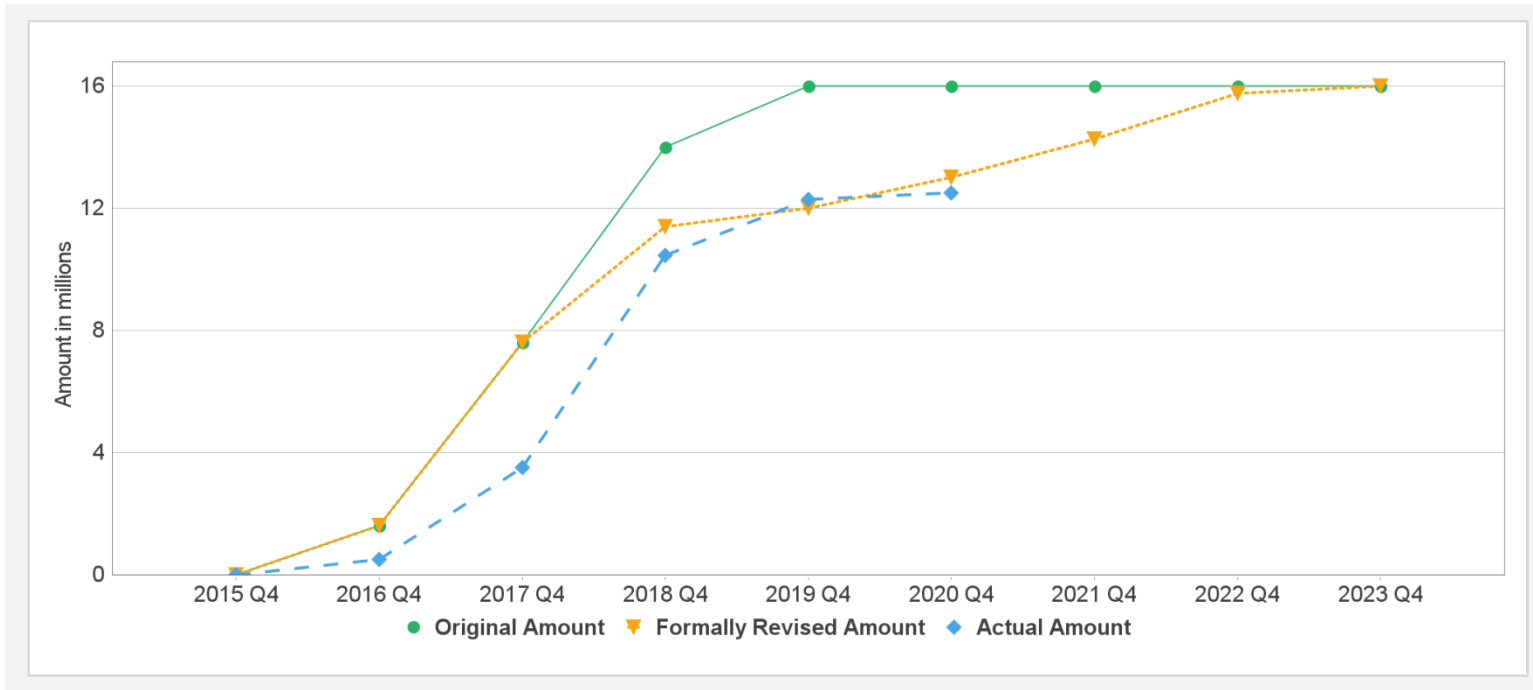
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P128904	IDA-D0630	Effective	USD	16.00	16.00	0.00	11.62	4.58	 72%
P128904	TF-A2332	Effective	USD	1.50	1.50	0.00	0.87	0.63	 58%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P128904	IDA-D0630	Effective	19-Jun-2015	11-Aug-2015	04-Sep-2015	31-Jul-2020	30-Jun-2022
P128904	TF-A2332	Effective	23-Mar-2016	30-May-2016	16-Nov-2016	31-Jul-2020	31-Jul-2020

Cumulative Disbursements



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
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Restructuring History

Level 2 Approved on 16-Aug-2019 ,Level 2 Approved on 22-Jan-2020

Related Project(s)

P163996-Test of GU in OPS 3.0 Full Name