



**OFFICE of the
REGULATOR**

ANNUAL REPORT

For the Financial Year Ended 30 June 2014



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1. EXECUTIVE SUMMARY

This Annual Report for the Office of the Regulator (“OOTR”) for the period ending June 2014 reflects continuous initiatives and programmes to improve the regulation of the Telecommunication, Broadcasting, Electricity and Postal Services sectors.

OOTR continues to prioritise the importance of building the Office capacity to help fulfil its functions for monitoring and reviewing the performance of all the service providers in the sectors under the jurisdiction of OOTR. The Annual Report is based on the activities which were implemented within each division of OOTR.

Corporate Services Division continues to focus on the development of the staff’s capacity to ensure providing a consistency support role required throughout the organisation.

During this financial year, two new Managers were appointed for three years contractual terms. Mr. Ipinu Filipo was appointed as Manager-Regulator & Consumer Services Division effective 19 July 2013 and Mr. Afoa Ueese Vaai was appointed as Manager-Electricity Division effective 30 July 2013.

Two officers joined the Office of the Regulator in this financial year. Mr. Sioa Sioa was appointed as Principal Legal Officer effective 15 October 2013 and Ms. Vanessa Tanuvasa-Pelenato was as the Principal Consumer Affairs Analyst effective 17 February 2014.

The Corporate Services Division coordinated the preparation of the Office of the Regulator’s Corporate Plan 2014 – 2019 and its associated Implementation Plan.

Within the current financial year, the Corporate Services Division also started reviewing the Non-Taxation revenue in the current financial year and new license fees are expected to come into effect in the next financial year.

The **Electricity Division** commenced regulatory work for the Electricity services, authorisation to generate electricity was granted not only to the Electric Power Corporation (“EPC”) but other Independent Power Producers (“IPP”) to generate electricity through the use of renewable energy. The Electricity Division continues to develop policies and relevant standards for the regulation of the cost of electricity. During this financial year, the OOTR reviewed and approved monthly ‘fuel surcharge adjustments’ on electricity tariffs to reflect fluctuations on cost of fuel used by EPC for electricity generation. The review of surcharges and approved adjustments are based on monthly submissions from EPC. This process is an ongoing function of OOTR pursuant to Part IV Section 20 of the Act. This financial year also sees an application from EPC to modify its tariff structure based on a requested 10% increase.

This was rejected by the Regulator and have since issued an alternative provisional tariff through its order no 2014/E23.

Legal Division continues to provide appropriate legal advice to the Regulator and OOTR. As indicated in the last Financial Year Annual Report, the OOTR is still anticipating receipt of the Telecommunications Tribunal decision on the Order of the Regulator 2010/03 which was appealed by Digicel Samoa Limited.

The Legal Division also continue to compile the Orders of the Regulator issued to the respective service providers in the relevant sectors, mostly in relation to the improvement of service(s). Legal Division also reviewed policies, license applications, procedures, rules and regulations; and is in the process of conducting Legislative reviews on the respective Acts that concerns the Regulator.

The Legal Division is currently working with MCIL and AGO in preparing the Competition and Consumer Protection Bill. Furthermore they are also working on the finalisation of the Utilities Bill, Electricity Regulations, Electricity Rules and Radio Spectrum Rules

The **Regulatory & Consumer Affairs Division** undertakes the regulatory oversight, market analysis and consumer affairs functions in telecommunications, broadcasting, electricity and postal. The responsibilities of the division include overseeing licensee compliance, market monitoring, managing issues arising from anti-competitive behaviour, price regulation, access and interconnection, consumer complaint resolution, quality of service and universal access. The focus for this financial year was on Consumer protection in telecommunications, broadcasting and electricity sectors including: addressing consumer complaints and provider disputes and the establishment of procedures and processes for handling of complaints. Availability of and Access to services relating to access and interconnection rates review for retail tariffs and Industry Development - to coordinate and facilitate evaluation process of applications for services license.

The **Spectrum and Technical Division's** roles and responsibilities continue to increase because of the rapid changes of technology in the telecommunications market in Samoa and Worldwide.

The Technical Division have since last financial year have been working on formulation of various documentations as part of the Spectrum Management Plan. This plan sets out relevant policies and guidelines that relates to the efficient and effective use of the radio spectrum. Consultations on the same have been conducted and Technical Division is now finalising these documents. In addition to those are the formulation of the Numbering Plan, Guidelines for International Roaming and the National Emergency Telecommunications Plan.

The Spectrum and Technical Division commenced preparations for the Digital transition and started consultations with television service providers and the public in both Upolu and

Savaii; continues. In addition Licences for various services continue to be issued by the OOTR in accordance with the Act and the conditions of their licences.

The Financial Review of the OOTR continues to show healthy performance in the current financial year. The Government approved a budget of \$1,187,033 for the Office for the period July 2013 to June 2014. As at June 2014, the Office had recorded revenue in the amount of \$4,687,463 and had incurred expenses of \$4,040,510 and recorded a net profit of \$646,953. A total amount of \$1,850,032 relating to revenue collected has been transferred to the Government's accounts during the financial year.

2. CORPORATE SERVICES DIVISION

The Corporate Services in the Office of the Regulator combines and consolidates all those support activities that are required throughout the organization. These include finance, administration and human resource management and development activities.

2.1. Staffing

The staff of the Office of the Regulator comprised of the following fifteen (15) personnel as at 30th of June 2014:

Regulator: Donnie De Freitas

Legal Counsel: Elisa Kohlhase

Manager Spectrum & Technical Services: Unutoa Auelua-Fonoti

Manager Corporate Services: Faalelei Sua

Manager Regulatory & Consumer Services: Ipiniu Filipo

Manager-Electricity Sector Supervision: Afoa Uelese Vaai

Principal Spectrum & Technical Analyst: Tuuaga Aviata

Principal Spectrum & Technical Officer: Eteuati Eteuati

Principal Consumer Affairs Analyst: Vanessa Tanuvasa-Pelenato

Principal Legal Officer-Electricity Sector: Cecily Faasau

Principal Legal Officer: Sioa Sioa

Senior Technical Officer (Broadcasting): Su'a Aulaga Faumuina

Accounts Clerk: Etenauga Tanielu

Receptionist/Office Assistant: Leleiga Karene

Driver: Pio Bell

2.2. New Appointments

In the current financial year, two new Managers were appointed for three years contractual terms. Mr. Ipiniu Filipo was appointed as Manager-Regulator & Consumer Services Division effective 19 July 2013 and Mr. Afoa Uelese Vaai was appointed as Manager-Electricity Supervision effective 30 July 2013.

Two officers joined the Office of the Regulator in this financial year. Mr. Sioa Sioa was appointed as Principal Legal Officer effective 15 October 2013 and Ms. Vanessa Tanuvasa-Pelenato was as the Principal Consumer Affairs Analyst effective 17 February 2014.

2.3. Organisational Structure

The approved Organisational Structure is reflected in **Fig 2.1** below and has been updated to reflect all current positions as at 30 June 2014. The vacant positions are expected to be filled within the next 2014/2015 financial year.

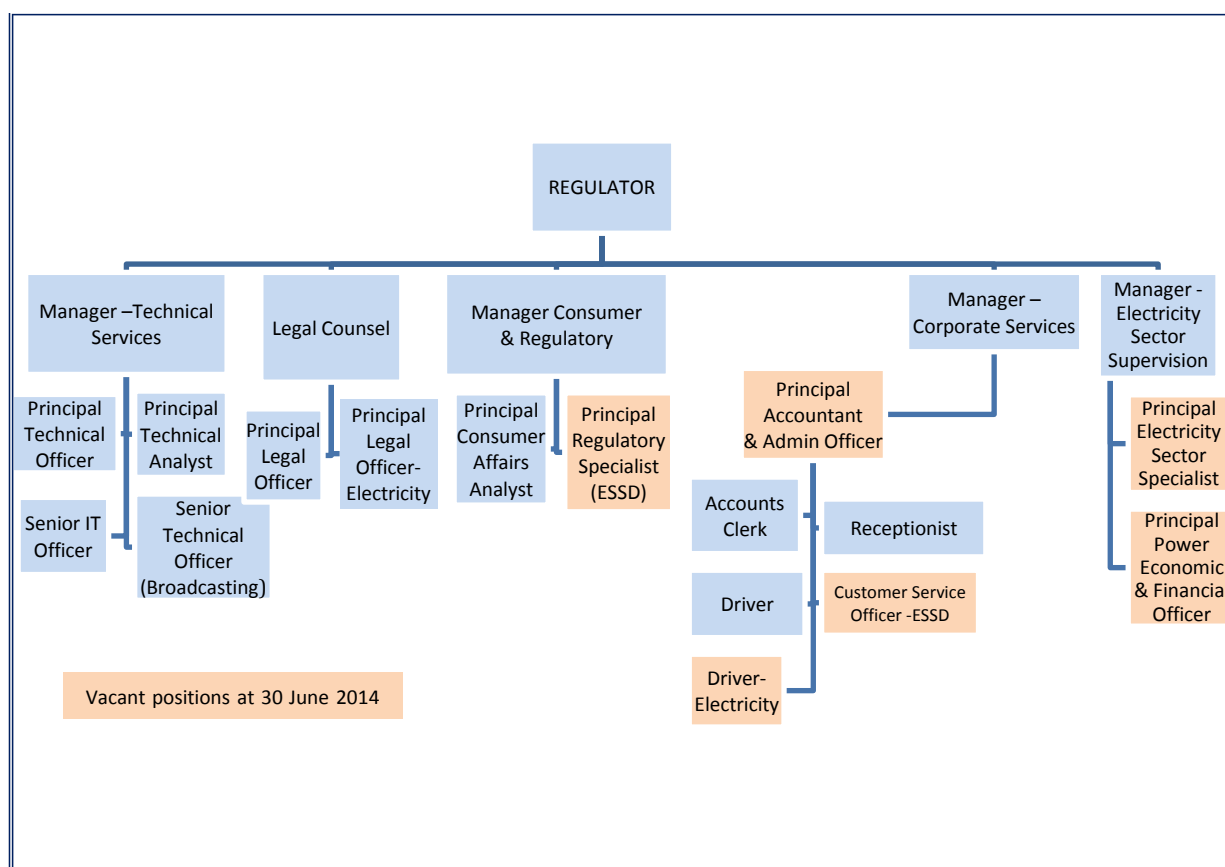


Fig 2.1 Organisational Structure of the Office of the Regulator at 30 June 2014

2.4. Corporate Plan

The OOTR was fortunate in this financial year with the assistance from the Public Sector Improvement Facility that enabled to Office to hire Incyte Consult, Australia to prepare the Corporate Plan 2014 – 2019 and its associated Implementation Plan.

The Consultants have completed their work and the Regulator and staff are now finalizing the Corporate Plan to be submitted to Cabinet for endorsement early in the next financial year.

2.5. Non Taxation Revenue

The Office of the Regulator started the process of reviewing its Non Taxation Revenue in the current financial year per government policy. It is expected that the review and recommendations will be finalised and submitted to the National Revenue Board for approval in the next financial year.

2.6. Institutional Strengthening and Capacity Building

The Public Sector Improvement Facility (“PSIF”) of the Ministry of Prime Minister and Cabinet provided assistance by way of funds for Institutional Support to the Office of the Regulator. Total funds earmarked for this project was \$1,150,605 and the OOTR will be using the assistance to strengthen the Regulatory Framework for the Electricity Sector. The Project was to be completed by December 2013 but has been extended to December 2014.

In terms of specialised overseas training, staff members continue to attend appropriate training programs to ensure that all employees are adequately equipped to carry out their duties.

Training for the Divisional Managers remained a priority to ensure the continuity of the Office.

Training opportunities were provided through the International Telecommunications Union (“ITU”), the Korea Internet and Security Agency (“KISA”), the Asia Pacific Telecommunity (“APT”), the Pacific Media Assistance Scheme (“PACMAS”) as well as the PSIF Project.

The following list summaries overseas training that different staff attended during the current financial year:

OOTR Staff Member(s)	Course Attended	Venue	Period
Unutoa Auelua-Fonoti & Ipiniu Filipo	PURC/University of Florida Energy Pricing & Benchmarking Infrastructure Operations Courses	Florida, USA	28 July – 8 August 2013
Tuuaga Aviata	KISA ICT Expert Training Course 2013	Seoul, South Korea	1 – 7 September 2013
Ipiniu Filipo	ITU-KCC Asia Pacific Regulators’ Roundtable & International Training Program	Seoul, South Korea	14 – 18 October 2013
Eteuati Eteuati	ITU Regional Radiocommunication Seminar for Asia-Pacific 2013	Nadi, Fiji	27 October – 1 November 2013
Unutoa Auelua-Fonoti; Afoa Uelese Vaai & Sioa Sioa	Work Attachment at the New Zealand Electricity Authority	Wellington, New Zealand	11 – 13 November 2013

Unutoa Auelua-Fonoti; Afoa Uelese Vaai & Sioa Sioa	Work Attachment at the New Zealand Commerce Commission	Wellington, New Zealand	16 – 22 November 2013
Su’a Aulaga Faumuina	APT Radio Spectrum Management and Monitoring for Wireless Broadband Infrastructure	Tokyo, Japan	26 November – 4 December 2013
Afoa Uelese Vaai & Sioa Sioa	35 th PURC World Bank/University of Florida International Training Program on Utility Regulation and Strategy	Florida, USA	13 – 25 January 2014
Unutoa Auelua-Fonoti	ITU Regional Forum on “IMT towards 2020 and beyond – Technology & Spectrum	Ho Chi Minh City, Vietnam	11 February 2014
Su’a Aulaga Faumuina	PINA/PACMAS 3 rd Pacific Media Summit	Noumea, New Caledonia	10 – 14 February 2014
Ipiniu Filipo	APT Training Course on the Fundamental Concepts of Current Key Issues	Nonthaburi, Thailand	24 – 28 February 2014

In addition, Ms. Elisa Kohlhase, Legal Counsel is currently taking long term overseas study leave in London. Ms. Kohlhase was awarded a scholarship from the Commonwealth Scholarship Committee to study for her Masters of Laws (Communications & Computer Law) for the period September 2013 to September 2014.

The Office continues to focus on upgrading interaction with the public through an improved website and making its process of public consultation and internal processes more interactive and consumer friendly.

3. ELECTRICITY SECTOR SUPERVISION

3.1. Tariff Setting and Review

Pursuant to Part IV Sections 19, 20 and 21 of the Electricity Act 2010 ('Act'), the Regulator is responsible for setting, changing and reviewing all tariffs charged by electricity licensees in Samoa.

3.1.1. Fuel Surcharge Adjustments

During the period under review, the OOTR reviewed and approved monthly 'fuel surcharge adjustments' on electricity tariffs to reflect fluctuations on cost of fuel used by EPC for electricity generation. The review of surcharges and approved adjustments are based on monthly submissions from EPC. This process is an ongoing function of OOTR pursuant to Part IV Section 20 of the Act.

The following table shows fuel surcharge adjustments approved through Orders of the Regulator during the financial year, for the different customer categories based on usage.

Order	Order No. 2013/E15	Order No. 2013/E16	Order No. 2013/E17	Order No. 2013/E18	Order No. 2013/E19	Order No 2014/E20	Order No 2014/E21
Effective Date	13 th July 2013	3 rd Aug 2013	14 th Sept 2013	7 th Nov 2013	13 th Dec 2013	9 th Jan 2014	9 th Feb 2014
Fuel Surcharge Adjustment	24.6%	27.4%	29.1%	28.9%	27.9%	27.2%	28.6%
Domestic 1-50 units	0.16 sene	0.18 sene	0.19 sene	0.19 sene	0.19 sene	0.18 sene	0.19 sene
Domestic 51&above	0.19 sene	0.22 sene	0.23 sene	0.23 sene	0.22 sene	0.21 sene	0.23 sene
Non Domestic	0.19 sene	0.22 sene	0.23 sene	0.23 sene	0.22 sene	0.21 sene	0.23 sene
Domestic Cash Power 1-50 unite	0.15 sene	0.17 sene	0.18 sene	0.18 sene	0.18 sene	0.17 sene	0.18 sene
Domestic Cash Power 51&above	0.18 sene	0.20 sene	0.21 sene	0.21 sene	0.20 sene	0.19 sene	0.21 sene
Non Domestic Cash Power	0.18 sene	0.20 sene	0.21sene	0.21 sene	0.20 sene	0.19 sene	0.21 sene

Table 3.1: Approved fuel surcharge adjustments 2013/2014

EPC continues to present to OOTR on monthly fuel surcharges based on fluctuations of fuel prices, and the financial impact on EPC's cash flow.

3.1.2. New Base Tariff and Rate Structure

EPC filed an application with the Regulator on 19 September 2013 that requested a new electricity base tariff adjustment and rate structure. The application was based on a “Cost of Service and Tariff Study” by consultants from Economist.com. EPC requested a 10% increase on the base tariff and a “modified tariff structure”. The modified tariff proposed to replace the fuel surcharge with a new fuel charge and creates a new charge for debt servicing. It also provides for a new domestic classifications based on three levels of kWh usage: 1-50kWh users; 51-100kWh users; and 101kWh and above users.

The Act requires the OOTR to keep the government informed of pending proceedings in relation to tariff changes and to seek stakeholder input by conducting public consultations. In compliance with those requirements, the OOTR and EPC conducted joint consultations for both Upolu and Savaii. The consultations included representatives from the business community, government ministries, state-owned enterprises, non-governmental organisations and selected village mayors and representatives.

Upon completion of the review and consultations, the Regulator finds that the proposed 10% increase by EPC for end-use customer tariff is too high, and will unfairly impact low use residential customers and commercial customers.

New end-use customer tariffs were approved by the Regulator for a provisional tariff that provides the best balance between customers and EPC for 2014-2015. The tariff approved a modified rate structure that is more transparent and easier for customers and EPC to comprehend. The provisional tariff was approved through Order of the Regulator No. 2014/E23 and became effective on 24th April 2014.

The approved tariffs included three (3) charges: ‘usage charge’, ‘fuel charge’ and ‘debt charge’.

3.1.2.1. Usage Charge

The Regulator approved the following rates for different customer categories based on ‘usage’:

- 0% increase on ‘usage charge’ for low use domestic customers (1–50kWh) = remains at 0.20 sene
- 2% increase on ‘usage charge’ for moderate use domestic customers (50-100kWh) = 0.34 sene
- 7% increase on ‘usage charge’ for high use domestic customers (101+kWh) = 0.39 sene
- 7% increase on ‘usage charge’ for all commercial customers = 0.39 sene

3.1.2.2. Debt Charge

The Power Sector Expansion Project (PSEP) and other debt obligations requires EPC to service relatively higher debt levels in the early years with the possibility of relief in the later years as debt is reduced. Further, the debt servicing costs is expected to be offset through efficiency gains over the years through generation fuel efficiency and reduced system losses. The Regulator approved a fixed debt service charge of 0.17 sene/kWh for customers to be included in the tariff.

3.1.2.3. 'Fuel Charge' to replace Fuel Surcharge

A significant revision of the proposed modified tariff is the establishment and implementation of a distinct charge that covers the entire cost of fuel used by EPC for electricity generation. The current fuel 'surcharge' only captures a portion of the cost of fuel with the balance of fuel cost recovered through base rates. The new fuel charge calculates a charge per kWh that captures all costs incurred by EPC for the purchase of diesel fuel used for electricity generation. The Regulator approved the fuel charge of 0.55 sene/kWh for all customers based on analysis of actual costs of fuel purchased by EPC in the 12 month period up to March 2013. The new fuel charge will continue to vary monthly based on information provided by EPC and will include costs of power purchased from independent power producers. End use customer tariffs may vary each month, based on changes in the fuel charge. The Regulator continues to adjust the fuel charge each month using the following formula:

$$\frac{(\text{Total cost of fuel and lube oil to generate electricity}) + (\text{total invoice from IPP for feed in power})}{\text{total kWh electricity sold to consumers that month}}$$

The following table presents the approved rates and modified structure:

Customer Class	Usage	Usage Charge	Debt Charge	Fuel Charge	Total
Domestic	1-50 kWh	0.20	0.17	0.55	0.92
	51-100 kWh	0.34	0.17	0.55	1.06
	101 kWh and above	0.39	0.17	0.55	1.11
Non-Domestic	All	0.39	0.17	0.55	1.11
Cash Power Customers					
Domestic	1-50 kWh	0.19	0.17	0.55	0.91
	51-100 kWh	0.33	0.17	0.55	1.05
	101 kWh and above	0.38	0.17	0.55	1.10
Non-Domestic	All	0.38	0.17	0.55	1.10
<i>All charges are expressed in Samoan Tala/kWh</i>					

Table 3.2: New Base Tariff and Rate Structure

3.2. Licensing

Pursuant to Part III of the Act, the Regulator is responsible for issuance of generation licences for companies wishing to generate electricity and sell back to EPC, also known as Independent Power Producers ('IPPs'). The approval process for licensing include an evaluation of the applicant's proof of service in a sustainable manner by first obtaining a valid business licence to confirm that the applicant is legally allowed to do business in Samoa. Second is the analysis of the applicant's business plan and audited or forecasted financial statements to ensure that the applicant possesses relevant experience in providing electricity services and to ensure reasonable sustainability of the applicant's business should the licence be granted.

The table below presents the number of generation licenses issued during the financial year:

Licensee / Company	Licence Approval	Power Purchase Agreement (PPA) Approval
1.Solar Samoa Limited	Approval granted before regulatory functions shifted to the OOTR	OOTR approved the PPA between Solar Samoa and EPC
2. Biogen3 Samoa Ltd	Approval granted before regulatory functions shifted to the OOTR	OOTR yet to approve the PPA between Biogen3 and EPC
3. What Power Crisis Ltd	Licence approved and issued by OOTR	OOTR yet to approve the PPA between What Power Crisis and EPC
4. Samoa Tyre Recycle Ltd	Licence approved and issued by OOTR	OOTR yet to approve the PPA between Samoa Tyre Recycle and EPC

Table 3.3: Licensees

4. LEGAL FRAMEWORK

This part of the Annual Report provides an overview of the Legal Division's work for the period as of 1 July 2013 – 30 June 2014.

During this period, the Legal Division provided various types of legal advices, prepared and reviewed legal instruments (including but not limited to legislation, orders and licences).

4.1. Advices

Legal provided various legal advices the following paragraphs contains synopsis of major advices for this fiscal year:

- Revocation of IPasifika Samoa Limited's Retail ISP Licence;
- Process for the Revocation of Orders;
- Use/Approval of Emergency Code(s);
- Process and Action for Debt Recovery, disadvantage of utilising Debt Recovery Agencies;
- Amendments to the new GST Bill;
- Fifty sene (.50) charge by the National Bank of Samoa on cash power;
- Digicel's 'Next G' Branding
- TV2 (EFKSTV) use of Channel 25 from Star TV;
- Lease for the Office of the Regulator at Mulinu'u.

4.2. Legal Evaluations of Applications

For a Generation Licence

- What Power Crisis;
- Samoa Tire Recycle;
- Solar for Samoa.

For a Broadcasting Subscribers TV Licence

- Fiji Television

4.3. Bills, Regulations, Rules, Orders and Guidelines

Broadcasting Amendment Bill

The OOTR is currently preparing submission to be forwarded to the Chief Executive Officer of MCIT for final comments.

Competition and Consumer Protection Bill

Legal provided comments on the Bill which was submitted to MCIL. Legal also represented the Office with the Regulatory Division for the consultations which took place on 26 June 2014.

Telecommunications Amendment Bill 2013

The Bill was passed and assented to by the Head of State in 2014.

Utilities Bill

Legal continues to work on the further refinement of the Utilities Bill to align all other Acts regulating the specific sectors (broadcasting, postal services, electricity and telecommunications), resolve identity crisis and other administrative issues.

Electricity Regulations

The Office aims complete its review of the revised draft Regulations from the Office of the Attorney General (“OAG”) by 27 November 2013 and forward this back to the OAG for further review.

Electricity Rules

Legal drafted the Rules with assistance from an electricity expert and the Electricity Division. The Rules are being reviewed by both the Legal and Electricity Divisions.

Radio Spectrum Rules

Legal worked on incorporating the draft Regulations into rules and completed its review of the Rules in June 2014.

Orders

The following Orders were issued in the past year in relation to the regulation of all the sectors under the jurisdiction of the Regulator:

- Order of the Regulator No. 2013/T04- Customer ale Complaint Against Bluesky Samoatel’s Billing Practices [29 May 2013];
- Order of the Regulator No. 2013/E15 – Request from the EPC for Approval of Fuel Surcharge Adjustment [11 June 2013];
- Order of the Regulator No. 2013/T05 - Customer Complaint Against Bluesky Samoa Limited’s Billing Practices (Order Revoking Order of the Regulator No. 2013/T04) [9 July 2013]
- Order of the Regulator No. 2013/T07-Approval of New Proposed Retail Rates for Bluesky Samoa Limited Fixed to Mobile Calls [12 July 2013];

- Order of the Regulator No. 2013/T08- Amendment of Order of the Regulator No.2013/T05 & No. 2013/T07 [31 July 2013];
- Order of the Regulator No. 2013/E16- Request from the Electric Power Corporation for Approval of Fuel Surcharge Adjustment [3 August 2013];
- Order of the Regulator No.2013/E17 – Request from the Electric Power Corporation for Approval of Fuel Surcharge Adjustment [14 August 2013];
- Order of the Regulator No. 2013/E18- Request from the Electric Power Corporation for Approval of Fuel Surcharge Adjustment [7 October 2013];
- Order of the Regulator No. 2013/T09- Approval of Promotional Retail Tariffs for Digicel Services [30 October 2013];
- Order of the Regulator No. 2013/T10- Revocation of IPasifika Samoa Ltd’s Retail Internet Services Licence [30 October 2013];
- Order of the Regulator No. 2013/E19 – Request from the Electric Power Corporation for Approval of Fuel Surcharge Adjustment [12 November 2013];
- Order of the Regulator No. 2013/E20 – Request from the Electric Power Corporation for Approval of Fuel Surcharge Adjustment [9 December 2013];
- Order of the Regulator No. 2013/E21 – Request from the Electric Power Corporation for Approval of Fuel Surcharge Adjustment [9 January 2014];
- Order of the Regulator No. 2013/E22 – Request from the Electric Power Corporation for Approval of Fuel Surcharge Adjustment [19 Feb 2014];
- Order of the Regulator No. 2014/E23 – Electric Power Corporation’s Proposal for Tariff and Rate Structure Review [24 March 2014];
- Order of the Regulator No. 2014/T01- Approval of New Proposed Retail Tariffs for Digicel Services [30 April 2014].

Guidelines for Dispute Resolutions

The Guidelines were finalised in October 2013.

5. REGULATORY & CONSUMER SERVICES

Regulatory and Consumer Affairs Division undertakes the regulatory oversight, market analysis and consumer affairs functions in telecommunications, broadcasting, electricity and postal. The responsibilities of the division include overseeing licensee compliance, market monitoring, managing issues arising from anti-competitive behaviour, price regulation, access and interconnection, consumer complaint resolution, quality of service and universal access.

Activities for the division during the reported period focussed primarily on the following aspects of the regulatory framework:

- a) Consumer protection in telecommunications, broadcasting and electricity sectors including: addressing consumer complaints and provider disputes and the establishment of procedures and processes for handling of complaints;
- b) Availability of and Access to services relating to access and interconnection rates review for Bluesky Samoa Limited and Digicel Samoa Limited, retail tariffs review for Digicel cellular radio services and Bluesky fixed line services;
- c) Industry Development - to coordinate and facilitate evaluation process of applications for services license.

5.1. Consumer and Provider Complaints

During the period under review, OOTR continued to investigate and resolve a number of complaints received from consumers against service providers including: quality of service, lack of broadcasting coverage by TV stations, incorrect billing practices, mobile internet charges; unsolicited messages and service providers' promotions. These were duly investigated and opportunity was provided to the parties complaint against to submit responses – all of which were resolved during the reported period

In the course of the period under review, OOTR investigated few complaints between service providers mainly on anticompetitive behaviour including retail broadband prices, internet wholesale price offer and access to submarine cable. Most of the complaints require thorough and lengthy consultation for the principles of natural justice and fair process to be administered prior to the Regulator making a decision.

5.2. Interconnection Rates

As reported in the previous financial period, the Regulator issued Order of the Regulator No. 2013/T01 for an interim interconnection termination rates for fixed and mobile services in Samoa. This was due to the providers failed to submit to the Regulator an interconnection agreement for Regulator's consideration and approval. During this period the Regulator has reviewed the Network Domestic Interconnection Service Supply Agreement from Bluesky and Digicel. The below interconnection rates have been approved by the Regulator on 29th August 2013.

The Agreement has term of 3 years commencing 1 July 2013 to 30 June 2016.

Mobile Termination Rates (MTR)	10sene/minute (1st July 2013 – 30 June 2016)
Fixed Termination Rates(FTR)	6sene/minute (1st July 2013-30th June2014)
	7sene/minute (1 July 2014 – 30 June 2015)
	8sene/minute (1 July 2015 – 30 June 2016)
Digicel & Bluesky SMS Messages Charges	3.5sene/SMS (1st July 2013 – 30 June 2016)

Prices are in ST and include VAGST

5.3. Retail Tariffs and Pricing

During the reported period Bluesky Samoa submitted proposed tariffs for fixed line to mobile calls for Regulator’s approval in accordance with section 40(1) of the Telecommunications Act 2005. The Regulator issued Order No. 2013/T08 to approve the following rates and replace Order of the Regulator No. 2008/02.

Fixed Line calls to Mobile

Local	Price/minute
Go Mobile	0.27
Digicel	0.27

Rates expressed in Samoan Tala and VAGST exclusive

Digicel pursuant to the Order of the Regulator 2006/06 is the dominant service provider in the cellular radio services market and on the 24th of February 2014 submitted its new proposed plans for retail price changes for the Regulator’s approval, in accordance with section 40 if the Telecommunications Act 2005 (“Act”).

The following maximum tariffs and rates have been approved by the Regulator in Order No. 2014/T01 during the period under review.

(1) Digicel Standard and Default Rates

- **Forty-five sene (.45)** per minute for calls at peak and off peak periods for Digicel Mobile calls to:

- a) Digicel Mobile calls;
- b) Other Mobile network;
- c) DigiFixed;
- d) Other Fixed Network; and
- e) International “Band 1” calls.

(2) Digicel Digifixed Plan

- **Twenty-nine sene (.29)** per minute for calls at peak and off-peak periods for Digicel Digifixed calls to:
 - a) Digicel Mobile calls;
 - b) Other Mobile network;
 - c) DigiFixed; and
 - d) Other Fixed Network
- **Forty-five sene (.45)** per minute for calls at peak and off peak periods for Digicel DigiFixed calls to International band 1 calls.

(3) International Rates

- **Fifty-nine sene (.59)** per minute for calls to Group 1 [American Samoa, Fiji, Tonga, Papua New Guinea, and Digicel Pacific Network];
- **Seventy-nine sene (.79)** per minute for calls to Group 1b [Australia and New Zealand];
- **Ninety-nine sene (.99)** per minute for calls to Group 2 [USA, China and Most of Europe];
- **One Tala and ninety-nine sene (\$1.99)** per minute for calls to Group 3 [Rest of the Pacific and the World not including those in Group 4];
- **Four Tala and forty-nine sene (\$4.49)** per minute for calls to Group 4 [Wallis and Fortuna Islands, Seychelles, East Timor, Congo DRP (Zaire), Cape Verde, Latvia, Niue and Solomon Islands].

Digicel “OPT IN” Plans

(4) Digicel Freedom Offer

- **Sixty Tala (\$60)** per month for 200 minutes of voice calls plus 200 SMS plus 100 MB of Data
- **One hundred and twenty Tala (\$120)** per month for 430 minutes of voice calls plus 430 SMS plus 200 MB of Data
- **One hundred and eighty Tala (\$180)** for 600 minutes of voice calls plus 600 SMS plus 300MB of Data
- **Two hundred and seventy Tala (\$270)** for 1000 minutes of voice calls plus 1000 SMS plus 400 MB of Data
- **Four hundred Tala (\$400)** for 1550 minutes of voice calls plus 1550 SMS plus 500 MB of Data

(5) Data Add on Options

- **Thirty –nine Tala (\$39)** for additional 500MB data (Tablet and DIGIMODEM)

- **Fifty –nine Tala (\$59)** for additional 1GB data (Tablet and DIGIMODEM)
- **Ninety –nine Tala (\$99)** for additional 2GB data (Tablet and DIGIMODEM)
- **One Hundred and ninety–nine Tala (\$199)**for additional 4GB data (Tablet and DIGIMODEM)

(6) Freedom and Data Add Options

- **Ninety-nine Tala (\$99)** for 200 minutes of voice calls plus 200 SMS plus 600 MB of Data(Tablet and DIGIMODEM)
- **Two hundred and nineteen Tala (\$219)** for 430 minutes of voice calls 430 SMS and 2.2 GB of Data (Tablet and DIGIMODEM)

(7) Digicel Classic Flex Plan

- **Sixty –five sene (.65)** per minute for call at peak periods for Digicel Mobile to:
 - a) Digicel Mobile calls;
 - b) Other Mobile network;
 - c) DigiFixed; and
 - d) Other Fixed Network
- **Thirty four sene (.34)**per minute for calls at off-peak periods for Digicel Mobile to:
 - a) Digicel Mobile calls;
 - b) Other Mobile network;
 - c) DigiFixed; and
 - d) Other Fixed Network.

VAGST

All of the above rates are VAGST inclusive.

Peak and Off Peak periods

Peak periods will be between 8:00 am and 7:59 pm on weekdays while off peak period would be 8 pm to 7:59 am on weekdays and all day on Saturdays and Sundays.

The OOTR continues to monitor Digicel’s Cellular Radio Services and Bluesky’s Fixed Line Services consistent with the Regulator’s functions and duties under section 25 and section 40 of the Act.

5.4. Applications for Services License

OOTR has reviewed Fiji Television Limited application for broadcasting license (subscription television service) during the reported period. The applicant satisfied the criteria for evaluations of applications for services license however the application remains incomplete due to an outstanding issue between Bluesky Samoa and Fiji Television Limited i.e. the Distributor Agreement. This agreement is required by OOTR to ensure that there is no anti competitive behaviour in broadcasting market. It is expected to be finalized in the next reporting period.

6. SPECTRUM & TECHINICAL

This Report consists of the works carried out by the technical division for the financial year 2013/2014. The division had been working hard in completion of works from the previous financial year and in developing new standards and guidelines to comply with new ICT in Samoa. Such technologies include digital dividend, digital broadcasting and international mobile roaming.

Technical Division's core functions are:

- Reviewing new applications and new services if they comply with the set standards before any new licence is issue
- Develop standards and guidelines for new technologies
- Monitor the radio frequency spectrum for the quality of service by the service providers and for any illegal users that may hinder other services
- Mediate disputes between the service providers and diagnose unwanted signals that may interfere with the existing services
- Inspection of foreign vessels registered in Samoa
- Issue type approval for any new equipment or device that may enter the market

These functions were conducted during the period under review to ensure the reliability and availability of telecommunication and broadcasting in Samoa.

6.1. Spectrum Management Plan

There has been a rapid growth in demand for various uses of radio spectrum in recent years, particularly for wireless and mobile broadband services. However this growing demand for radio spectrum is not limited to commercial users alone, there is also a demand from the non-commercial users.

From the perspective of the OOTR, cautious spectrum management is required to ensure that sufficient spectrum is available to support not just the development of the commercial mobile market and other new technologies and services but to support the continued operation of services such as Government and emergency services that use radio spectrum on a daily basis.

These documents contain the relevant policies and guidelines that relates to the efficient and effective use of the radio spectrum;

- Spectrum Management Policy & Guidelines
- Radio Spectrum Rules
- National Frequency Allocation Table
- National Spectrum Allocation Chart
- Broadcasting Frequency Assignment Band Plan
- Mobile Broadband Band Plan

- Wireless Broadband Service
- 700MHz Band Plan
- VHF and UHF Land Mobile Services Band Plan
- Fixed Microwave Band Plan
- Amateur Band Plan
- International Mobile Roaming

The technical division continuously provide spectrum consultations with the stakeholders before finalising any spectrum related document for implementation.

6.2. Radio Spectrum Licences

Radio spectrum licences are issued upon submission of applications whereby information provided is relevant and comply with standards and guidelines set forth by the Office of the Regulator.

During the period under review there were 102 licence issued as shown in table below.

Jul 2013 to Jun 2014	
Type of License	Quantity
Amateur	14
Land Mobile	13
Fixed Link	21
Broadcasting FM	6
Broadcasting AM	1
Broadcasting TV	29
Ship Station	7
Aeronautical Station	3
Satellite Earth Station (RX/TX)	2
SES Rx only	2
SES Tx only	2
WiMAX Broadband	2

Table 6.1: Number of licence issued in the financial year 2013/2014

6.3. Radio Spectrum Fees

The Radio Spectrum Fees Regulations 2007 and the Telecommunications Licence Fee Regulations 2007 had been used for both telecommunication and broadcasting. The sector had to review these fees taking into consideration the new technologies available and perhaps prior to a directive from the Ministry of Finance.

A reviewed schedule of fees is in place and will be submitted to cabinet for final comments before endorsement by the Head of State for implementation.

6.4. Numbering Plan

Development of the Numbering Plan including short codes is continuing from the last financial year 2012/2013. Fortunately it is now completed and ready for consultations with the stakeholders before submission to cabinet for implementation.

6.5. Digital Terrestrial Television

Standards and Channel Planning

Technical standards for digital broadcasting have already been developed in compliance with the international standards provided by ITU. OOTR has conducted consultations with the stakeholders addressing the standards, specifications, channel plan and any other relevant issue that relates to digital terrestrial television broadcasting. Office of the Regulator is working collaboratively with the service providers ensuring a smooth transition from analogue to digital.

6.6. International Mobile Roaming (IMR)

The ability to communicate regardless of location including access to data services is increasingly becoming a necessity for all travellers. International Mobile Roaming services enable the use of mobile device, such as cellular phone or tablet when travelling overseas without the need to purchase local service.

The world is moving very fast with the new technologies and Samoa is slowly coping up. OOTR has developed guidelines for the operators to abide by and providing the service to the community when there is a demand.

6.7. National Emergency Telecommunication Plan (NETP)

The National Emergency Telecommunication Plan was developed by the OOTR and is incorporated to Samoa National Disaster Management Plan. This NETP highlights the relevant guidelines and radio frequency bands available for communication in times of any natural disaster.

A reviewed version of this NETP will be submitted to cabinet for endorsement and implementation.

6.8. Radio Spectrum Monitoring

Monitoring of the radio frequency spectrum is a continuous quarterly (3 months) routine carried out by our division both in Upolu and Savaii. This is to:

- Ensure that the quality of all the registered services is up to standard and to the satisfaction of the consumers and in compliance with the terms and conditions of the licences;
- Ensure the spectrum is used efficiently and effectively; and
- Capture any illegal users of the spectrum.

Apparently if OOTR is not satisfy with the result of the monitoring, service providers affected will be informed accordingly for appropriate action. OOTR can offer the assistance to the providers if required. A complete and precise monitoring report is submitted to the Regulator and Honourable Minister every six months.

6.9. Type Approvals

The OOTR has been type approving equipment and devices intended for use in Samoa. Type approval is a process through which equipment is assessed for compliance to international standards which Samoa is adapting and authorised for use. A fee for this process is included in the review schedule of fees.

Company Name	Product Name	Product Detail	International Type Approval No.	SMO approval No.	Date
Research Motion	Blackberry 9720	RFU81UW	FCCID: L6ARFU80UW	T-279/13	5 July 2013
	ALPS TPMS/Keyless Entry	TWC1G124	FCC	T-280/13	8 July 2013
	ALP-Passive Entry System (Tuner)	TWC1G154	FCC	T-281/13	
Research Motion	Blackberry Z10 STL100-1 Smartphone	RFG81UW	FCC: L6ARFG80UW	T-282/13	24 July 2013
	Blackberry Q5 SQR100-3 Smartphone	RFT81UW	FCC: L6ARFT80UW	T-283/13	
Wireless Approval Consultants	Automotive Distance Control Systems GmbH	SSR2-B	FCC: OAYSSR2B	T-284/13	29 July 2013
Nokia Australia Pty Limited	Nokia Lumia 625	RM-941	BABT: 1031	T-285/13	29 July 2013
Panasonic Corporations	Panasonic Car Audio	28185 4CG0D	FCC: NT8-13NDC1-5	T-286/13	8 August 2013
Nokia Australia Pty Limited	Nokia 106.1	RM-962	BABT-RM 962	T-287/13	22 August 2013
	Nokia 107	RM-961	BABT-RM 961	T-288/13	
	Nokia 105	RM-908	ABN: 39 007 366 949	T-289/13	29 August 2013
	Nokia 208.1	RM-948		T-290/13	
Research Motion	Blackberry Z30			T-291/13	September
Nokia Australia Pty Limited	Nokia 108	RM-945	ABN: 39 007 366 949	T-292/13	11 Sept 2013
Island Rock	Netgear Wireless-N RM	GB Modem Router	DGN3500	T-293/13	12 Sept 2013
	Samsung	GT-I9100	CE0168	T-294/13	
	iPhone 5	A1429		T-295/13	
	iPad Tablet Computer	A1460		T-296/13	
	iPad Tablet Computer	A1395		T-297/13	
	Garmin	GSPMAP 62		T-298/13	

		GPSMAP 62S		T-299/13	
		GSPMAP 62St		T-300/13	
	D-Link - DWA-125	Wireless N 150 USB		T-301/13	
Bluesky Samoa Limited	Huawei Fixed Wireless	F316	20130204-2	T-302/13	13-Sep-13
	Huawei Handset Phone	F361	20130204-3	T-303/13	
Wireless Approval Consultants	Continental: X-Carlina Flipkey	5WK50165		T-304/13	16-Sep-13
Coin Save	Gfive	W1	BACL: B1208167	T-305/13	17-Sep-13
	Gfive Mobile FZE	L228/L229	Siemic: R-11080503	T-306/13	
	Gfive	W73	BACL: B1208166	T-307/13	
	Chang Jiang	A969	Phonenix: EU ID#0700	T-308/13	
	Gfive	W8	BACL: B1208027	T-309/13	
Nokia Australia Pty Limited	Nokia 108 DS	RM-944	ABN: 39 007 366 949	T-310/13	18-Sep-13
Research In Motion	Panasonic Car Audio	28185 3BN3A	FCC: NT8-13NDC1-5	T-311/13	30-Sep-13
Wireless Approval Consultants	Omron Automotive Electronics, Inc	D7520013	FCC: OUCD7520013	T-312/13	23-Oct-13
Bluesky Samoa Ltd	Plum Ram	PlumE200	FCC: Y7WPLUME200	T-313/13	28-Oct-13
	Plum Ram	PlumX210	FCC: Y7WPLUMX210	T-314/13	
	Plum Ram	PlumZ402	FCC: YWPLUMZ402	T-315/13	
Nokia Australian Pty Ltd	Nokia Asha 503	RM-920	BABT: 1031	T-316/13	31-Oct-13
Approve It (RIM)	Panasonic Bluetooth	VBTD1.5	FCC: NT8-13NDC1-5	T-317/13	18-Nov-13
	Nissan remote entry (hand unit)	TWB1U761	FCC: CWTWB1U761	T-318/13	
	Nissan Passive Entry (hand unit)	TWB1G662	FCC: CWTWB1U825	T-319/13	
	Nissan Passive Entry (Tuner)	TWC1G135	FCC:	T-320/13	
Product Compliance Specialists Ltd	Apple Iphone 4	A1332	FCC: BCG-E2380A	T-321/13	17-Dec-13
	Apple Iphone 4S	A1387	FCC: BCG-E2430A	T-322/13	
	Apple Iphone 5C	A1529	FCC: BCG-E2694A	T-323/13	
	Apple Iphone 5S	A1530	FCC: BCG-E2643A	T-324/13	
Nokia Australian Pty Ltd	Nokia 1320	RM-994	BABT 1031	T-325/15	3-Feb-14
Digicel Samoa Limited	Alcatel	3000G Black	FCC: RAD363	T-326/14	25-Feb-14
	Huawei Ascend	G510-0200	FCC: OISG510-0200	T-327/14	
	Samsung Galaxy Fame	GT-S6810	GTS6810	T-328/14	

	Samsung Galaxy SIII mini	GT-I8190N	A3LGTI890N	T-329/14	
	Alcatel One Touch	4033X	3000G	T-330/14	
	Alcatel	OT-4010X	CE1588	T-331/14	27-Feb-14
	Alcatel	OT-4030X	CE1588	T-332/14	
	Samsung Galaxy	S4 GT-I9500	CE1588	T-333/14	
	Samsung	E3210	CE1588	T-334/14	
Blue Sky Samoa	Plum Ram	E200	FCC: Y7WPLUME200	T-335/14	3-Mar-14
	Amgoo	AM83Z	FCC: UOSAM83Z	T-336/14	
	Blue Jenny TV 2.8	TV.28	FCC: YHLBLUJENNYTV28	T-337/14	
	Samsung Galaxy S4	HI337	FCC: A3LSGHI337	T338/14	
	Samsung Galaxy Note 2	N7100	FCC: A3LGTN7100	T-339/14	
	Samsung Galaxy Frame	S5830	FCC: A3LGT55830	T-340/14	
	LG Dual	E415G	FCC: BEJKU990	T-341/14	
	Motorola Moto G	Moto G	FCC: IHDT56PF1	T-342/14	
	Samsung Node 3	N9005	FCC: A3LSMN9005	T-343/14	
	Amgoo	203	FCC: UOSAM203	T-344/14	
Nokia Australia Pty Limited	Nokia	RM-1011	BABT 1031	T-345/14	11-Apr-14
		RM- 1012	BABT 1031	T-346/14	
Bluesky Samoa	Sleek (OCTENN T12)	I16-5		T-347/14	15-Apr-14
	Amgoo 209	AM209	FCC ID:UOSSAM83E	T-348/14	23-Apr-14
Product Compliance Specialist	CITRIX C11500	C11500	MSIP-REM-CTX-C11500	T-353/14	4-Jun-14
Bluesky Samoa	Alcatel Pixi	373	FCC: RAD373	T-354/14	4-Jun-14
	Samsung Galaxy Young	GTS6310T	FCC: A3LGT56310T	T-355/14	
	Samsung Galaxy S5	SMG900A	FCC: A3LSMG900A	T-356/14	6-Jun-14
Wireless Approval Consultants	Schrader Electronicx Limited	AG2SZ4	FCC: MRXAG2SZ4	T-357/14	16-Jun-14
Nokia Australian Pty Ltd	Nokia 310.1	RM-840		T-359/14	24-Jun-14

Table 6.2: Devices approved for use in Samoa

7. FINANCIAL REVIEW

The Government approved a budget of \$1,187,033 for the Office for the period July 2013 to June 2014.

As at June 2014, the Office had recorded revenue in the amount of \$4,687,463 and had incurred expenses of \$4,040,510. It therefore realised a net profit of \$646,953. A total amount of \$1,850,032 relating to revenue collected has been transferred to the Government's accounts during the year.

7.1. Revenue

The key sources of revenue for the Office are telecommunications licence and radio spectrum fees, accounting for 50% and 11% respectively. This is in addition to government grants received during the year amounting to 25% of its revenue. The Office also received grants from PSIF for the amount of \$577,842 in this financial year. The balance is represented by application fees and other revenue.

7.1.1. Telecommunications Licence Fees

The Office was able to invoice telecommunications licence fees of \$2,342,453 for the year ended June 2014. Telecommunications licence fees comprise of fees payable by licensed telecommunications services providers, in accordance with the Telecommunications Licence Fee Regulations 2007.

7.1.2. Radio Spectrum Fees

The total amount invoiced as radio spectrum fees for the year was \$529,381. It comprises the fees payable by licensed radio spectrum users, in accordance with the Radio Spectrum Fee Regulations 2007 as well broadcasting licence fees.

7.2. Expenditure

In the 2013/2014 financial year, the usage of the Office's spending was primarily limited to operating expenses

As reflected in **Figure 7.1**, most of the Organisation's expenses for the year, equivalent to 46% is represented by revenue collected by the Office and forwarded to the Ministry of Finance.

Approximately 30% of the organisation's expenses for the year comprised salaries, wages and allowance for staff members, and depreciation of assets.

Approximately 11% of expenses represent Consultancy Fees. The costs for two major consultancy work for the year for Corporate Plan and "(1) Tariff review, (2) costing methodologies and (3) power purchase agreements (PPA)" for the Electricity Sector Supervision was paid for by the assistance from PSIF.

The segment labelled "Other", which accounted for approximately 11% of the total expenditure; include payments towards advertising, electricity charges, internet costs, loss on

disposal of fixed assets, bank charges, subscription to publications and other miscellaneous operating expenses.

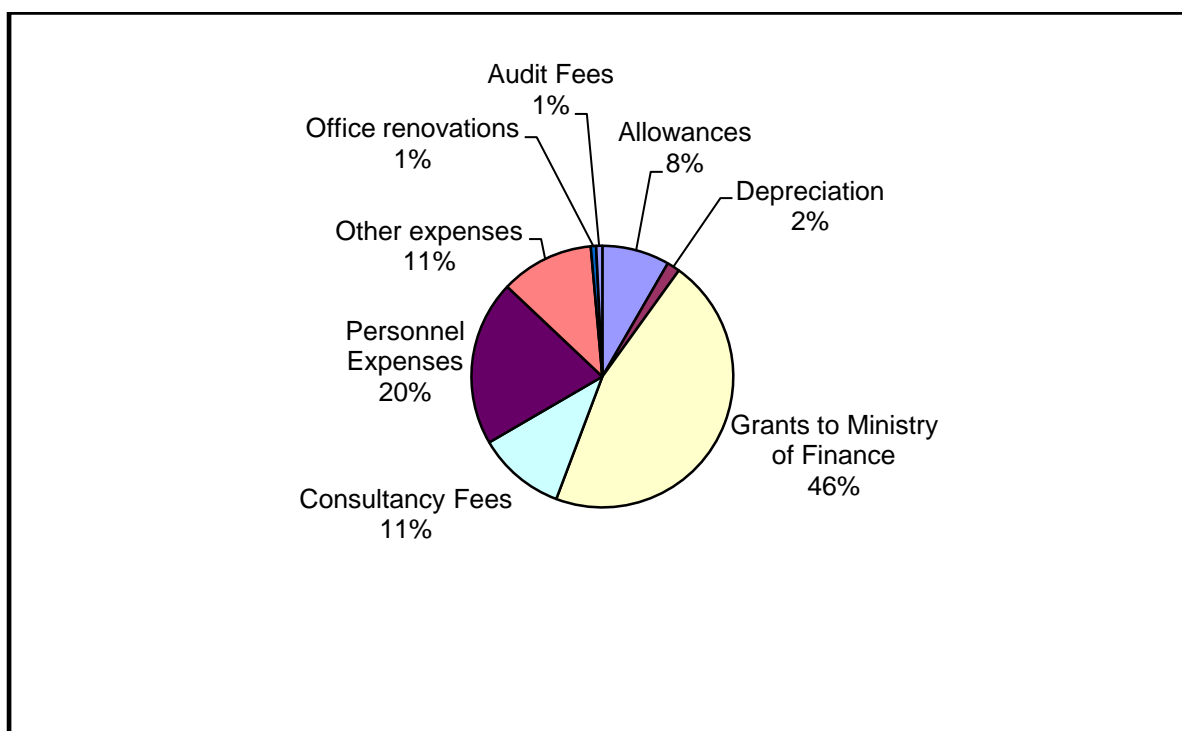


Figure 7.1: Distribution of expenses for the year ended 30 June 2014

7.3. Financial Audit Reports

The report of the Audit Office, Government of Samoa, has been supplied as Appendix C of this report. Note should be made that as at 30 June 2014 the audit exercise did not include examination of financial statements and accounts in respect of the Universal Access Fund, as the fund has not yet been established.

Register of Telecommunications Licensees

for the year ended 30 June 2014

Fixed Licence

- SamoaTel Limited

GSM Licences

- Digicel (Samoa) Limited
- Bluesky SamoaTel Limited

Retail Internet Service Provision Licences

- Computer Services Limited
- Lesa's Telephone Services Limited
- Bluesky SamoaTel Limited
- Digicel Samoa Limited

Wholesale Internet Service Provision Licence

- Bluesky SamoaTel Limited

International Gateway Licences

- Digicel Samoa Limited
- SamoaTel Limited
- WiMax Samoa Limited

Submarine Cable Licence

- Samoa American Samoa (SAS) Cable Limited

Register of Radio Spectrum Licensees

for the year ended 30 June 2014

Register of Spectrum Licensees for Television Broadcast

- Apia Broadcasting Ltd (TV3)
- TV2 Network (EFKS)
- Samoa Quality Broadcasting Limited
- Worship Centre

Register of Spectrum Licensees for Maritime Radio (Ship Station)

- Samoa Shipping Corporation
- Samoa Shipping Service
- Leckie McDonald
- Apia Export Fishpackers

Register of Spectrum Licensees for Land Mobile Radio

- Express Taxi Stand
- Polynesian Airline of Samoa
- Ministry of Justice
- Samoa Water Authority
- LK Taxi Stand
- Rio Taxi Stand
- Wong Chui Taxi Stand
- State Cab Taxi
- Ej Taxi Stand
- 24/7 Taxi Stand
- Lady Elizabeth Taxi Stand

Register of Spectrum Licensees for FM Radio Broadcast

- Power FM Radio
- R & M Meredith Family Trust
- Worship Centre

Register of Spectrum Licensees for Fixed Station (Radio)

- Apia Broadcasting Ltd (TV3)
- Power FM Radio
- Bluesky Samoa Limited
- Worship Centre

Register of Spectrum Licensee for Aeronautical Radio (Aircraft Station)

- Polynesian Airlines of Samoa
- Samoa Air

Register of Amateur Radio Licensees

- Atsuo Sakuma
- Vasilii Kozerodow

APPENDIX B

- Hiroyuki Tsukahara
- Dr Hranislav Milosevic
- Hiroyuki Miyake
- Ralph Karhammar
- Sergei Ianovskii
- David Jorgensen
- Dmitry Gura
- Jacek Marczewski
- Roger Collinge
- Craig Harrison
- Vernon E Halk III
- Philip McGill
- John Martin
- John Paul Kenon

Register of Licensees for Satellite Earth Stations (transmit and receive)

- Digicel Samoa Limited

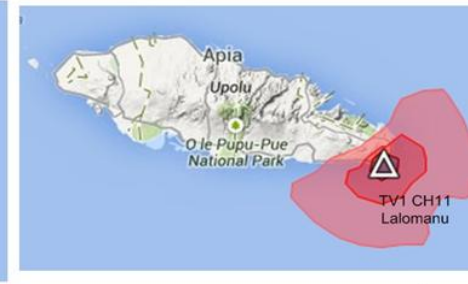
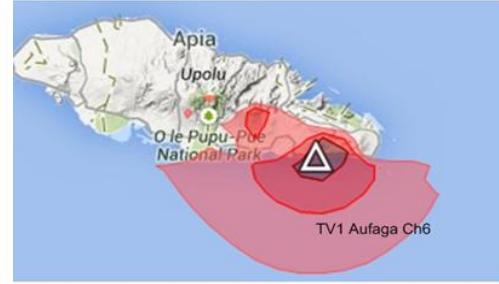
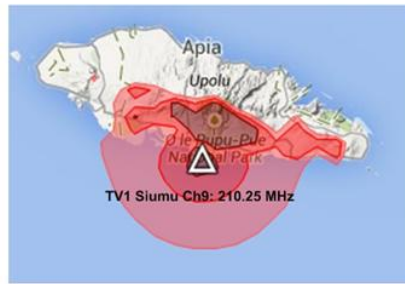
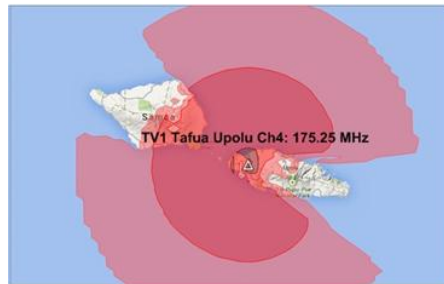
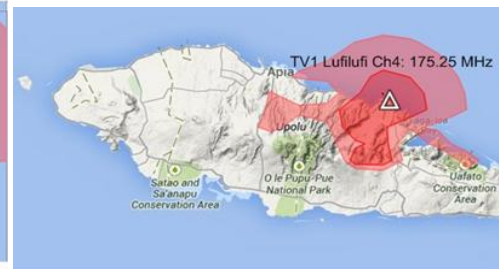
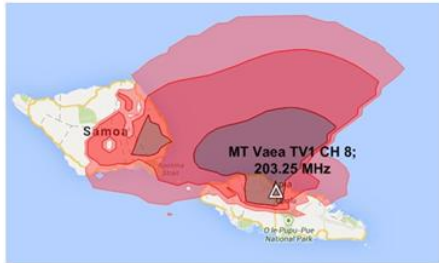
Register of Licenses for Mobile Broadband Spectrum (GSM900)

- Bluesky Samoa Limited
- Digicel Samoa Limited

**AUDITED FINANCIAL STATEMENTS
FINANCIAL YEAR ENDED
30 JUNE 2014**

**COVERAGE MAPS (BROADCASTING)
AS AT 30 JUNE 2014**

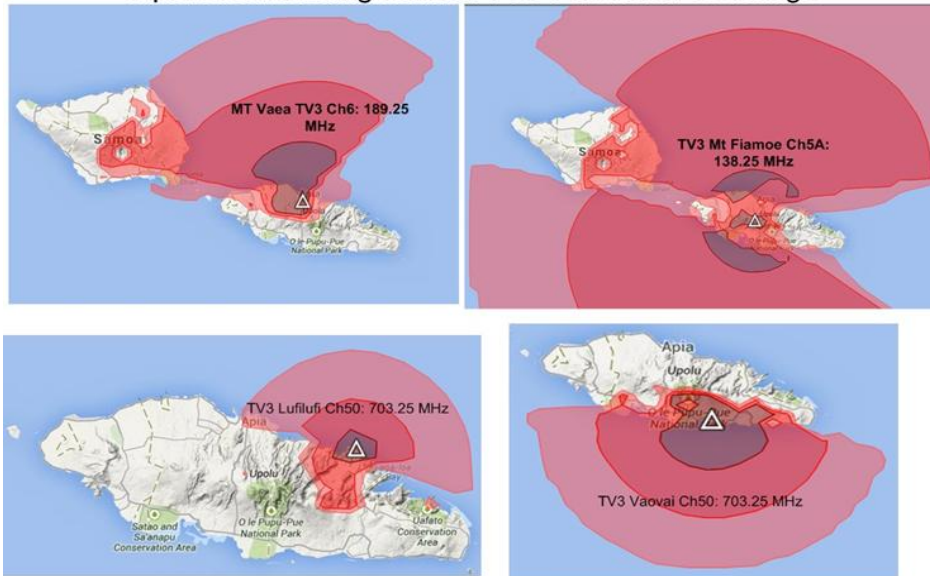
Samoa Quality Broadcasting TV1 Television Coverage



Coverage Display					
<input checked="" type="checkbox"/>	45	dBμV/m	60	dBμV/m	Color
<input checked="" type="checkbox"/>	60	dBμV/m	75	dBμV/m	Light Red
<input checked="" type="checkbox"/>	75	dBμV/m	100	dBμV/m	Red
					Dark Red

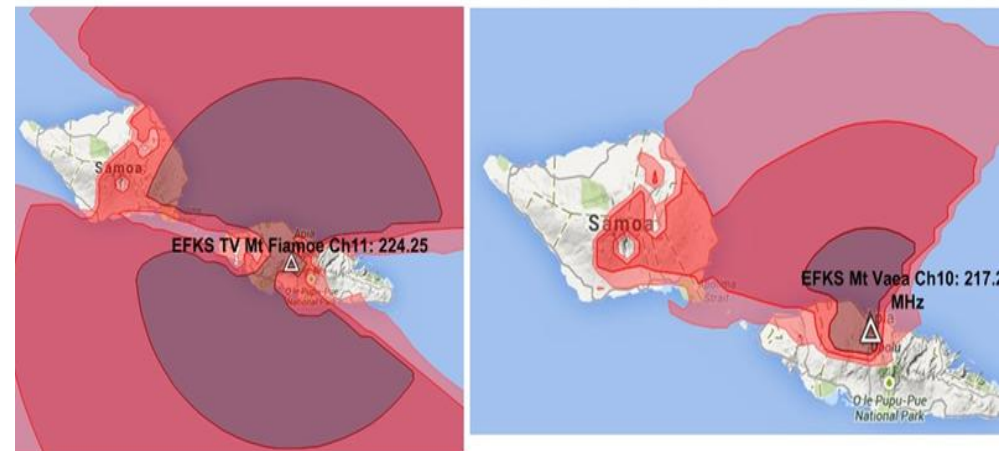
Coverage Display					
<input checked="" type="checkbox"/>	45	dBμV/m	60	dBμV/m	Color
<input checked="" type="checkbox"/>	60	dBμV/m	75	dBμV/m	Light Red
<input checked="" type="checkbox"/>	75	dBμV/m	100	dBμV/m	Red
					Dark Red

Apia Broadcasting Limited TV3 Television Coverage



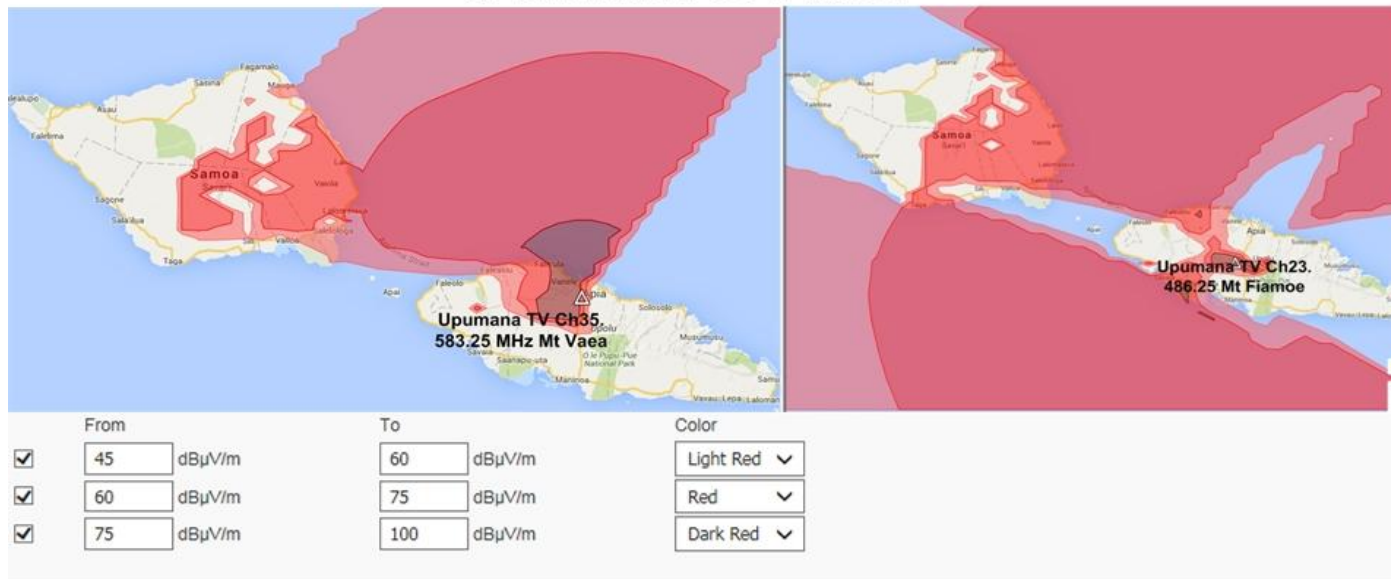
Coverage Display		
From	To	Color
<input checked="" type="checkbox"/> 45 dBµV/m	60 dBµV/m	Light Red
<input checked="" type="checkbox"/> 60 dBµV/m	75 dBµV/m	Red
<input checked="" type="checkbox"/> 75 dBµV/m	100 dBµV/m	Dark Red

EFKS (TV2) Upolu - Television Coverage

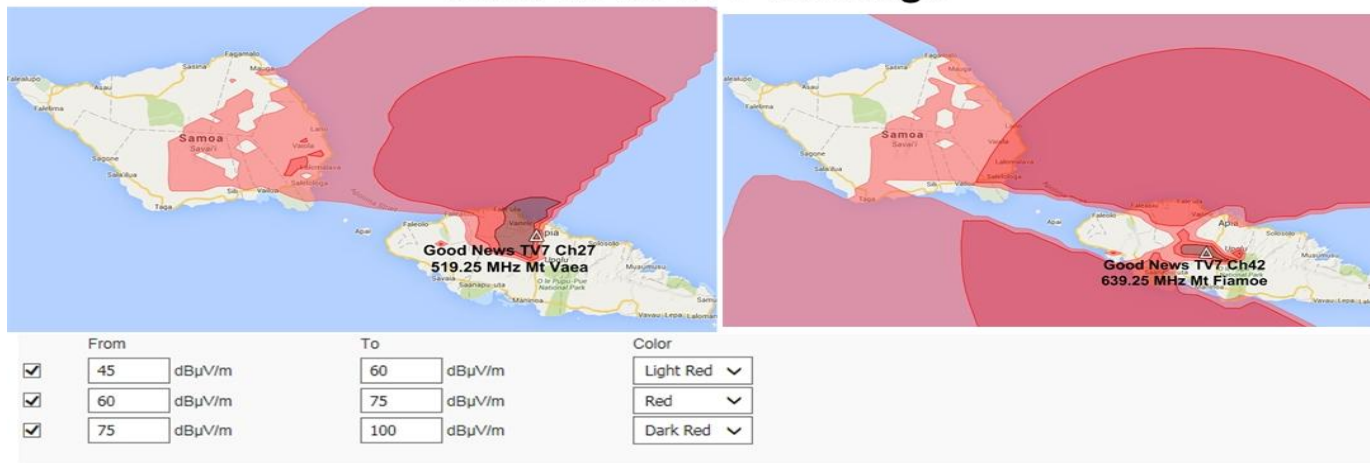


Coverage Display		
From	To	Color
<input checked="" type="checkbox"/> 45 dBµV/m	60 dBµV/m	Light Red
<input checked="" type="checkbox"/> 60 dBµV/m	75 dBµV/m	Red
<input checked="" type="checkbox"/> 75 dBµV/m	100 dBµV/m	Dark Red

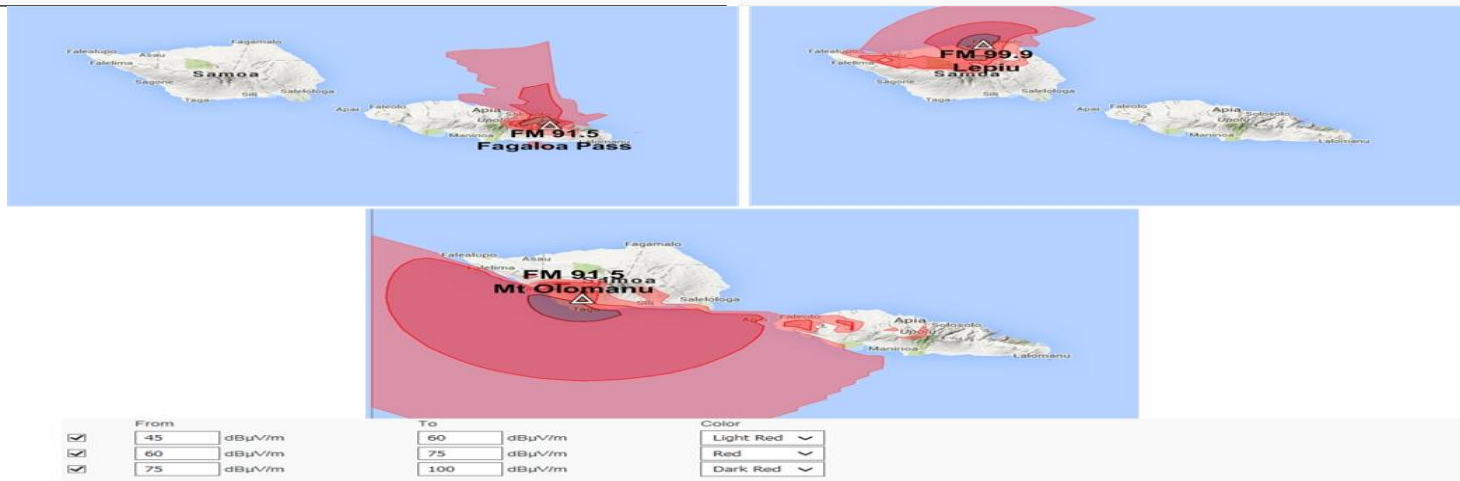
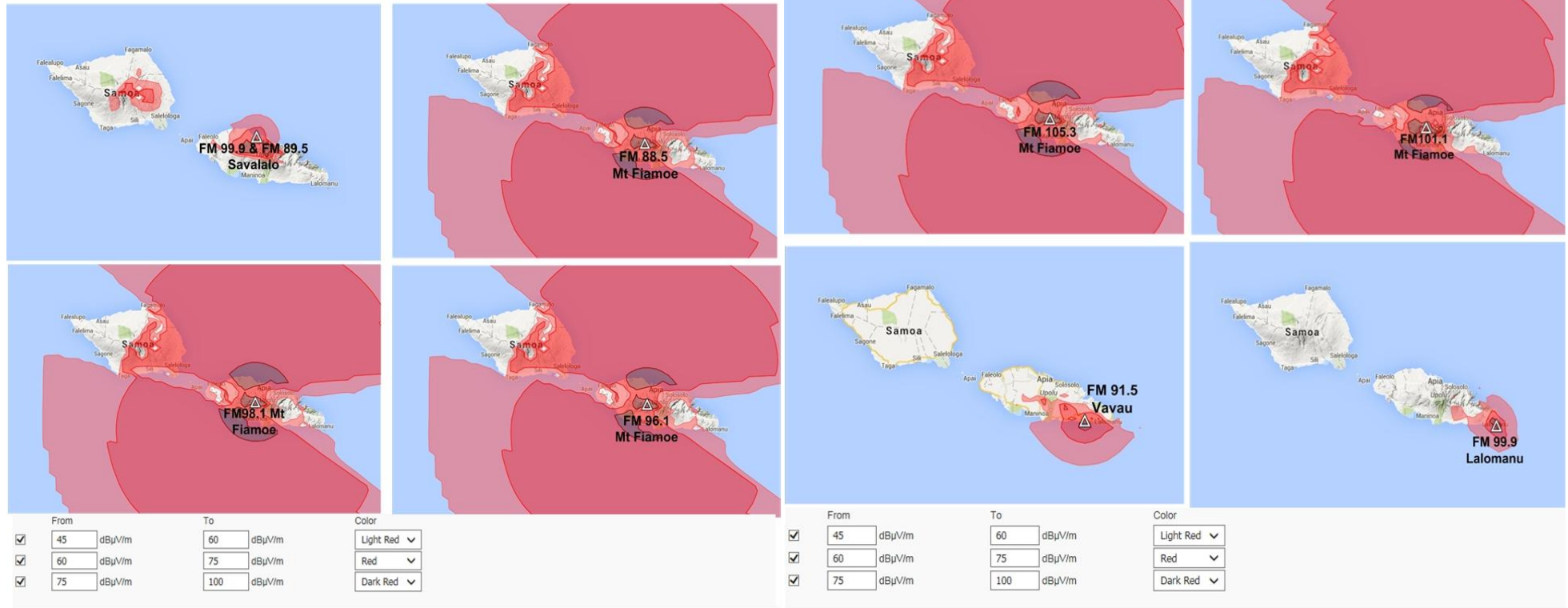
UPUMANA TV COVERAGE



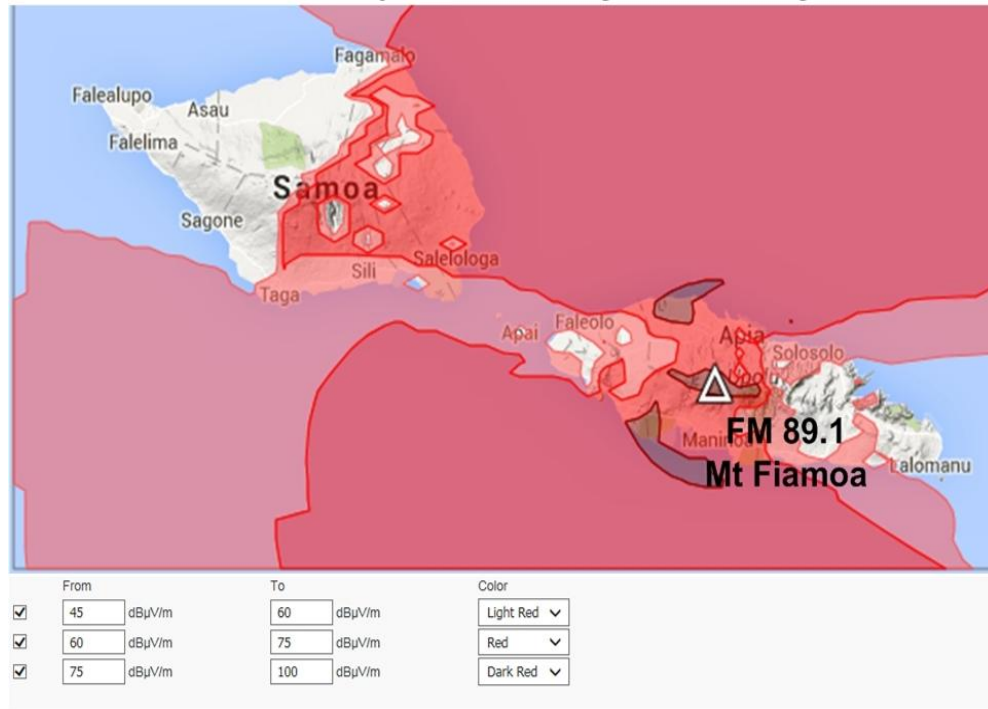
Good News TV7 Coverage



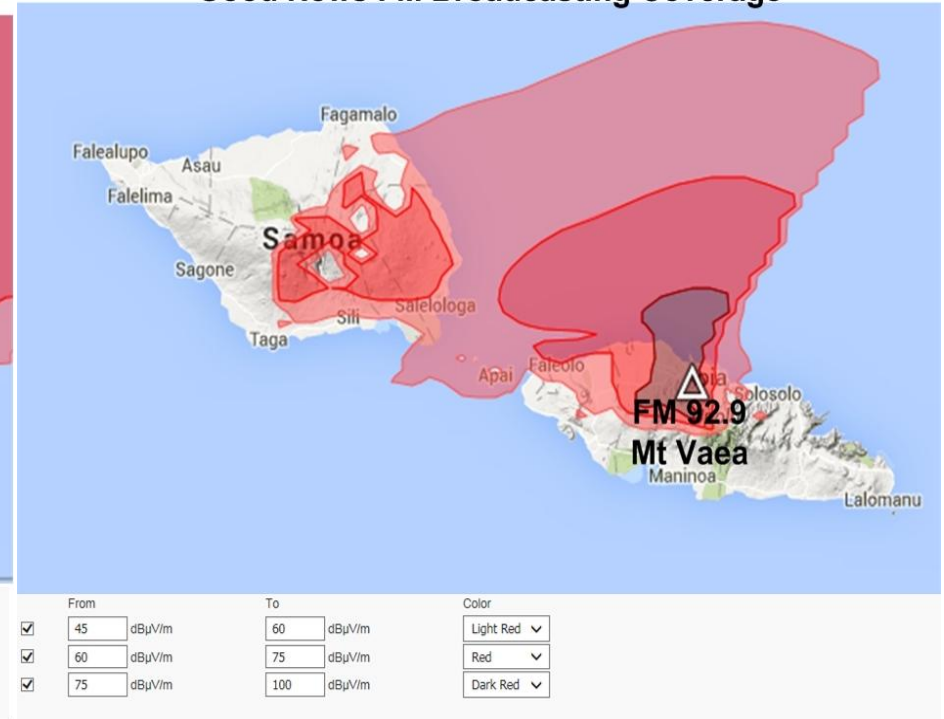
Radio Polynesia Ltd FM Broadcasting Coverage



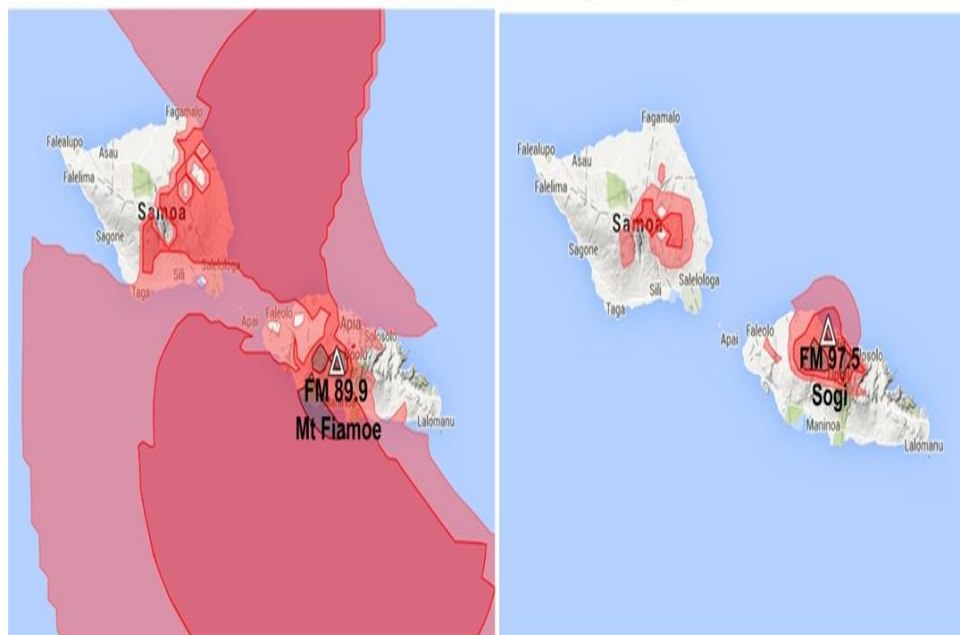
Samoa Quality Broadcasting FM Coverage



Good News FM Broadcasting Coverage

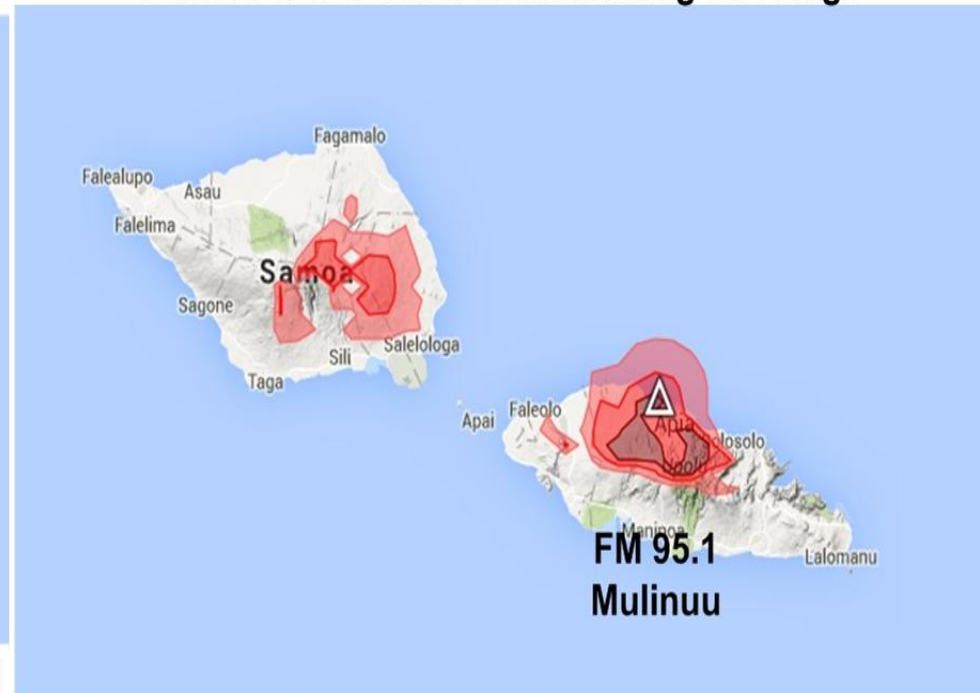


Worship Centre FM Broadcasting Coverage



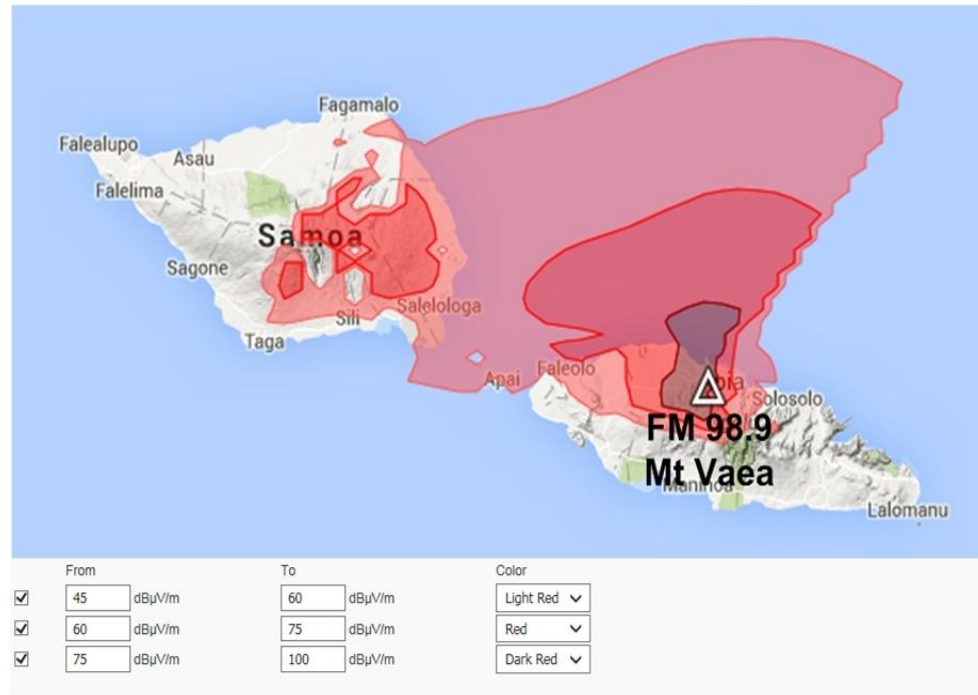
	From	To	Color
<input checked="" type="checkbox"/>	45 dBµV/m	60 dBµV/m	Light Red
<input checked="" type="checkbox"/>	60 dBµV/m	75 dBµV/m	Red
<input checked="" type="checkbox"/>	75 dBµV/m	100 dBµV/m	Dark Red

Youth For Christ FM Broadcasting Coverage

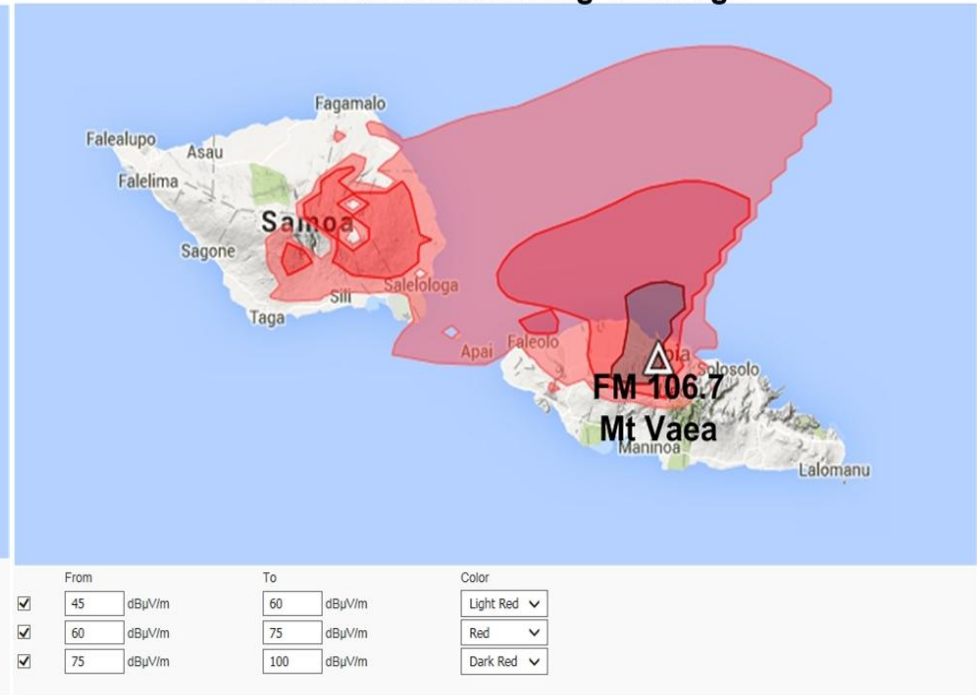


	From	To	Color
<input checked="" type="checkbox"/>	45 dBµV/m	60 dBµV/m	Light Red
<input checked="" type="checkbox"/>	60 dBµV/m	75 dBµV/m	Red
<input checked="" type="checkbox"/>	75 dBµV/m	100 dBµV/m	Dark Red

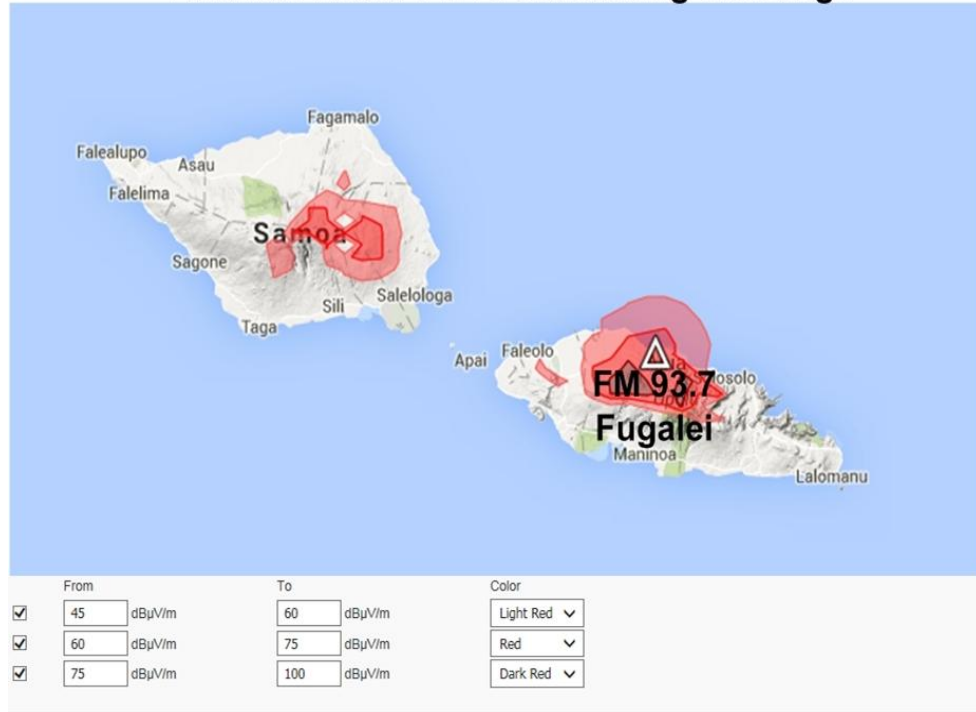
EFKS FM Broadcasting Coverage



Power FM Broadcasting Coverage



Talamua Media FM Broadcasting Coverage



Catholic FM Broadcasting Coverage

