

2015 SIM TFWG Workshop & Planning Meeting, Panama City, Panama, January 27 - 29

ANTIGUA & BARBUDA LAB REPORT

by

Alan Michael Standardization Officer Antigua and Barbuda Bureau of Standards



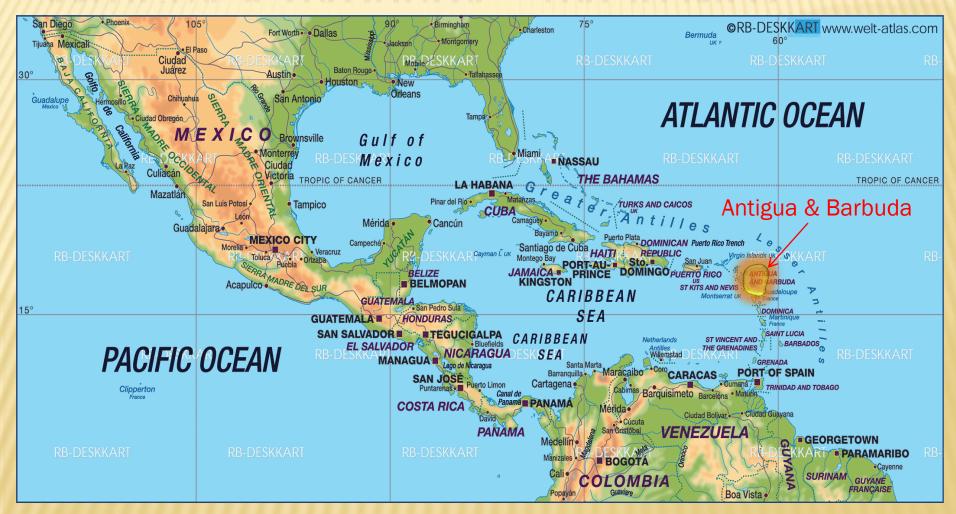
× Antigua & Barbuda – Basic Info

× Antigua & Barbuda Bureau of Standards

× A & B Time & Frequency Metrology Status

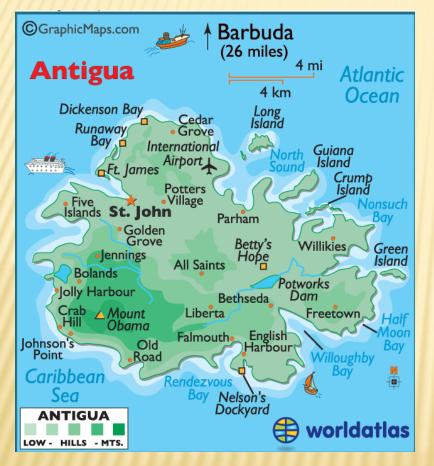


ANTIGUA & BARBUDA – BASIC INFO





ANTIGUA & BARBUDA – BASIC INFO



279.72 sq km (108 sq miles)





160.58 sq km (62 sq miles)

ANTIGUA & BARBUDA – BASIC INFO

- × Population 90,000 approx. (2011 census)
- × Official Language English
- Exports petroleum products, bedding, handicrafts, electronic components, transport equipment, food & live animals
- Industries tourism, construction, light manufacturing (clothing, alcohol, household appliances
- × GDP EC\$ 3.34 Billion (US\$ 1.23 Billion)



- Antigua and Barbuda Bureau of Standards (ABBS) :
 - + Established Standards Act (1987) Cap. 411
 - + Purpose -
 - × To prepare and promulgate standards in relation to goods, services, processes and practices.
 - Provide a broad base of technical, advisory and monitoring services for retailers, manufactures and service providers.
 - × National Metrology Institute



+ Membership in -

- Caribbean Regional Organisation for Standards and Quality (<u>CROSQ</u>)
- × Codex Alimentarius (WHO/FAO)Commission
- × Inter-American Metrology System (<u>SIM</u>)
- Subscriber Member of the International Organization for Standardization (<u>ISO</u>)
- Affiliate Member of the International Electrotechnical Commission (<u>IEC</u>).



- × 10 staff (2 x Metrology)
- Office/Lab relocated to Old Parham Road Apr 2013
- Approximately 200 M² of open space for offices
 & labs each
- Layout drawings completed by PWD 4th Qtr
 2014 consulting with PTB on lab layout/eqpt.
- Construction to be put to tender



+ Metrology

- × Metrology Act 2007 (passed 2008)
- × NMI & Legal Metrology Institute (regulations pending)
- × Services:
 - * Verification in Mass & NAWI (airlines, hotels, small businesses)
 - Calibration in Mass (F2 & below) & NAWI (hospital, airline catering, airline/helicopter, small business)
 - ★ EE Testing : refrigerators & lifetime testing of CFLs (2 labs)-to be launched shortly
 - Calibration & verification of temperature devices (thermometers)- receiving equipment donated by PTB
- × Metrication Programme re-launched October 2011



ANTIGUA & BARBUDA - T & F METROLOGY STATUS

- × Equipment donated by SIM September, 2011
- × Installed January, 2012
 - Antigua Computer Technologies Internet Co-location Centre (due pending re-location of ABBS) – Computer/Telecomms/Internet Provider
- × Administered remotely via Microsoft Remote Desktop & Teamviewer Software
- × No Services offered currently



ANTIGUA & BARBUDA - T & F METROLOGY STATUS

× Issues/Problems: No Measurement uploads to SIM Servers

- × Due to tropical storm Gonzalo power related (2014/08/18)
- × ISP mistakenly re-assigning IP address (2014/11/17)

× Milestones

- + Installation of Software to steer Rubidium Standard to SIMT automatically by NIST (July 13, 2012)
- + Manual steering no longer required & working well



ANTIGUA & BARBUDA - T & F METROLOGY STATUS

× Challenges-

- × Auto restart of measurements after a power failure (?)
- + Awareness Business / Industry / Government / Public
- + Finance to develop services
- + Human Resource availability and competence

× Future Plans -

+ Training, Develop Awareness Programmes, Establish and Distribute National Time, Develop & Offer T & F Calibration & other services.



Thank you for your attention!

