



SAA/GO/002 1 Supply and Installation of Goods for “Automated Weather Station (AWS)”

CLARIFICATION ISSUE 01

06 November 2023

I. CLARIFICATIONS TO QUESTIONS RAISED BY BIDDERS

Item Ref.	Questions Raised	SAA/SARIP Answers
<p>8.A Measured Parameters</p>	<p>There is only mention of wind, temperature, humidity, and pressure. However, in section <u>E. – Automatic Weather Station (AWOS)</u> a requirement appears for visibility, ceilometer, and present weather. Kindly confirm if the latter three parameters are necessary. If they are, kindly request specifications for measurement range of the visibility sensor and the ceilometer.</p>	<p><i>The range of the visibility sensor should include a ceilometer that has a range up to 25,000ft, with a present weather sensor range is up to 100Km. Equally important are that systems must be compliant with ICAO standards.</i></p>
	<p>The tender makes no mention of a tower for measuring wind at the end of the runway. Seems like wind would only be measured at the met garden. Kindly confirm if you would like to measure wind at the end of the runway.</p>	<p><i>Confirming that we wish to include wind sensors at each runway end for touchdown wind and a wind sensor at the met site for aerodrome weather reporting. Touchdown wind sensors should be located in line with the runway touchdown points. All wind sensors should be 10m above the ground, ICAO requirement is 10m +/- 1 meter above the ground.</i></p>
	<p>Can you confirm if AC mains power is available at the installation site, or if the contractor will have to install a new circuit.</p>	<p><i>There is no AC main available on site, and would likely be looking at a 400meter from AC main connection to the touch down wind site.</i></p>
	<p>Kindly confirm the voltage and frequency of the AC mains power available in Samoa</p>	<p><i>AC mains in Samoa is 220 - 230 Volts 50 Hz</i></p>
	<p>The tender doesn't specify what type of communication to be used between the AWOS and the display. Kindly confirm if it's possible to use any of the options below:</p>	<p><i>406-470MHZ Licensed UHF frequency is the preferred option.</i></p>

Item Ref.	Questions Raised	SAA/SARIP Answers
	<ul style="list-style-type: none">• 406 – 470MHz Licensed UHF Radio• 902 - 928 MHz License-Free Frequency Hopping Spread Spectrum Radio	

Signed:



Rusetaneti Taaloga

SARIP PIU Project Manager