



Institute de Recherché en Santé de Surveillance Epidémiologique et
Formation(IRESSEF)
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CONTRACT AMENDMENT
No. PAC/20180730/02
(AMENDMENT I)

Funding Agency	U.S. Centres for Disease Control and Prevention (CDC)
Prime Awardee	IRESSEF/CADU
Grant No.	NU2GGH002139
Contract No.	PAC/20181120/02
Subcontractor	Travis Sondgerath, MS, MPH
Contract Term	15 September 2019 – 31 December 2019
Project Title	Development of an electronic tool for tracking of equipment maintenance and calibration in PEPFAR supported countries
Contract Value	Not to Exceed: 32,300.00 USD

Dear Mr. Sondgerath,

This document aims to specify the terms and conditions for amendment of the above referenced contract agreement between IRESSEF/CADU and Travis Sondgerath. It is hereby mutually understood and agreed, by and between the undersigned contracting parties, to amend the previously executed contract agreement (PAC/20181120/01) as outlined below. The following terms and conditions are here-in amended and made part of this agreement:

- Contract period has been extended to September 29, 2019
- Maximum contractual amount has been increased from USD Nineteen Thousand Eight Hundred (\$19,800) to USD Thirty Two Thousand Three Hundred (\$32,300)
- New scope of work has been added (see Appendix I)
- New deliverables and payment plan has been added (see Appendix II)

All other terms and conditions of the original subcontract and related amendments remain in full force and effect. The contract amendment shall be effective once duly signed and authorized by both parties. The Subcontractor must sign below and initial each page of THIS AGREEMENT as concurrence with the terms and conditions specified here-in.

Professor Souleymane Mboup
Principal Investigator, Director, IRESSEF/CADU

Date

Travis Sondgerath
Consultant

9/26/19
Date

Appendix I

Additional Scope of Work

In addition to the original contract terms, the following additional activities are here-in made part of this agreement:

1. Support the development of Ona surveys to be used to in the field to collect data on newly deployed equipment, as well as to update data on existing equipment already in circulation **(September or October 2019)**
 - Create web forms to collect pertinent equipment data modeled after the web forms developed during the previous contract
 - Upload these forms to the IRESSEF Ona account, deploy web forms to Open Data Kit (ODK) Collect for mobile device deployment/collection
 - Verify these data can be extracted from Ona via Application Programming Interface using R
 - Pilot the data collection tools with in the field
 - Provide summary report of initial submissions using in-country data
2. Coordinate with PAC members on IT and field-related issues related to identifying the best systems, processes and tools
 - Lead weekly or bi-weekly meetings and IT Task Force conference calls (to be scheduled in coordination with the PAC project management team)
 - Develop technical outline for expected work products **(June or July 2019)**
3. Support the deployment of an IRESSEF administered reporting platform
 - Deploy an RStudio Connect Server instance on Amazon Web Services
 - Coordinate any calls as necessary with RSutio Connect customer support
 - Develop reports to display and describe equipment data as needed. Reports should include **(November 2019)**;
 - Report describing the current state of equipment and which equipment needs attention
 - Scorecard describing lapses of equipment care or documentation
 - Drill down reports allowing facility leaders to look at maintenance activities by maintenance engineer or facility
 - Build in functionality to alert users when maintenance activities need to be performed
4. Develop a final report describing activities
 - Publish final report as well as any technical documentation to GitHub

Appendix II

Deliverables and Payment Plan

Deliverables	Invoices and Payments
<u>September 2019</u> <ul style="list-style-type: none">• Review existing survey forms from previous period and create in Ona• Test forms in Ona and pull example data into existing reports	<u>September 30, 2019</u> <ul style="list-style-type: none">• 2 weeks at \$900 USD/week - \$1,800 USD
<u>October 2019</u> <ul style="list-style-type: none">• Pilot data collection forms in the field• Deploy forms using Open Data Kit for mobile• Focus specifically on using the form for newly added equipment (<i>dependent upon field collection of data</i>)• Create examples of additional drill down reports not created during original period• Provide report summarizing initially collected data• Deliver technical outline of expected work products	<u>October 31, 2019</u> <ul style="list-style-type: none">• 5 weeks at \$900 USD/week - \$3,500 USD
<u>November 2019</u> <ul style="list-style-type: none">• Coordinate the deployment of an RStudio Connect Instance on Amazon Web Services• Coordinate necessary support calls• Add new users• Deploy existing reports to the platform and add scheduled and contextual reminders for users to view these reports	<u>November 30, 2019</u> <ul style="list-style-type: none">• 4 weeks at \$900 USD/week - \$3,600 USD
<u>December 2019</u> <ul style="list-style-type: none">• Add additional new reports and drill downs as requested• Create user instructions (both technical and field oriented)• Support user testing of the tool• Provide final report for the team	<u>December, 31 2019</u> <ul style="list-style-type: none">• 4 weeks at \$900 USD/week - \$3,600 USD