

REQUEST FOR EXPRESSION OF INTEREST

**THE PACIFIC COMMUNITY - FIJI
PACIFIC RESILIENCE PROGRAM (PREP II)
PROJECT ID: P163699**

**Assignment Title: Individual Consultant – Drone License Training
Reference No. (as per Procurement Plan): FJ-SPC-336056-CS-INDV**

1. *This Request for Expressions of Interest follows the General Procurement Notice for this project that appeared in dgMarket online Oct 15, 2015.*
2. *The Pacific Resilience Programme (PREP) is a series of projects funded by the World Bank and implemented at the regional and national level by the Pacific Community (SPC), Pacific Island Forum Secretariat and Samoa, Tonga, Marshall Islands and Vanuatu.*
3. *SPC invites eligible Individual Consultants to express their interest to provide training for certified drone pilot license.*
4. *The Terms of Reference for the Assignment is attached.*
5. *It is anticipated that the Consultant will commence as soon as possible for a duration of 4 months to train 10 participants in Fiji and Marshall Islands.*
6. *Interested individual consultants must provide an updated Curriculum Vitae with a description of education and general qualifications, similar assignments, experience in similar conditions and the contact details of three referees.*
7. *The criteria for selecting the Consultant are:*
 - *Must be a qualified Drone Instructor and Assessor for drone certification exam and assessments.*
 - *Certified by an internationally recognised agency that deliver drone training.*
 - *At least 5 years' experience delivering drone training.*
 - *Practical experience operating the DJI Matrice 300 RTK with KlauPPK GNSS and Sony a600 24MP camera or similar drone to be used for this training.*
 - *Expert knowledge of Fiji and Marshall Islands civil aviation regulations covering operation of drones in their environments.*
 - *Fluency in written and spoken English is essential.*
 - *Must be fully vaccinated including booster shot for covid-19.*

8. The attention of interested Consultants is drawn to paragraph 1.9 of the World Bank's *Guidelines: Selection and Employment of Consultants under IBRD Loans and IDA Credits & Grants by World Bank Borrowers* January 2011, revised July 2014 ("Consultant Guidelines"), setting forth the World Bank's policy on conflict of interest.
9. A Consultant will be selected in accordance with the Individual Consultant Selection method set out in the Consultant Guidelines.
10. Further information can be obtained at the address below during office hours 0900 to 1700 hours.
11. Expressions of interest must be delivered in a written form to the address below (in person, by mail or e-mail) by 4pm, (Fiji Time), 4th July 2023.

*Procurement
The Pacific Community
Private Mail Bag
Suva
FIJI
Email: rfq@spc.int*

A copy of your CV should be sent to georgeb@spc.int

TERMS OF REFERENCE

DRONE LICENSE TRAINING

PACIFIC RESILIENCE PROGRAMME (PREP II)

- Position:** Individual Consultant (FJ-SPC-336056-CS-INDV)
- Location:** Pacific Community, Geoscience, Energy & Maritime Division, Fiji
- Duration:** 3 Months
- Expected Start Date:** August 2023
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Background

The *Pacific Community* has received financing from the World Bank toward the cost of the Pacific Resilience Project II, and intends to apply part of the proceeds toward payments under the contract for and sourcing aggregates from identified resource areas in Majuro Atoll and Ebeye Island, in the Republic of the Marshall Island, per the specifications below. The Pacific Community (SPC) Geoscience, Energy and Maritime Division now invites eligible bidders.

The Republic of Marshall Islands is located in the North West Pacific (~171E, ~7N). Majuro, the most populated atoll has a narrow emerged land area of 9.7 square kilometer and a lagoon about 295 km². The three adjacent islets located on the eastern coast of Majuro, Delap-Uliga-Djarrit (DUD), is densely populated (Figure 1) with a population of about 20,000 people compared to the population of the whole atoll ~28,000.

Ebeye is built on a small islet on the south eastern side of Kwajalein Atoll (8.78°N 167.74°E), stretching about 2 km from north to south and approximately 250 m wide bordering a large lagoon to the east and the open ocean to the west. The islet is covered entirely with buildings and infrastructure and is densely populated, with around 12,000 inhabitants living in an area of merely 0.36 km² resulting in a population density of 1 person per 30 m².

The World Bank financed Pacific Resilience Programme (Phase II) include national activities implemented by the Government of RMI complimented by regional activities implemented by SPC. The support provided by SPC aims to strengthen RMI's early warning and coastal management capacity of national institutions in

pursuing resilient development initiatives. More specifically, *Component 2 – Strengthening Coastal Resilience* of PREP II will provide Government institutions including decision makers with scientific information to better understand risks associated with coastal management to influence risk-informed decisions for better management of the coastline. This is an integrated approach that include the aggregates study aimed at identifying possible sources of aggregates, the acquisition of lidar data and development of risk maps supported by training.

In 2022, SPC procured an Unmanned Aerial Vehicle (DJI Matrice 300 RTK with KlauPPK GNSS and Sony a600 24Mp camera), to be used to collect and monitor coastline data including a high-end desktop for processing and storage of the drone data. The Civil Aviation regulations in Marshall Islands require remotely powered aircraft systems are operated by licensed aviation professionals. This is to ensure safe and efficient use so that they don't pose a risk to other airspace users, or to persons or property. Specific procedures including registration of the drone, airworthiness standards, safety records, maintenance of the aircraft etc. are required to be followed to operate the drone in Marshall Islands.

The purpose of this consultancy is to provide training to operators of the Unmanned Aerial Vehicle (UAV) that is accepted by the Marshall Islands Aviation Authority and other internationally recognised agencies where the drone may be operated such as Fiji. The UAV procured is classified as a medium UAV, above 2kg, requiring the operator to have a Remote Pilot License (RPL) that must be provided by an internationally recognised body. The Pacific Island – Professional Drone Pilot Certification Course (Part 102) is the recognised course for the pilot license. The course covers all Civil Aviation drone rules for an individual or organisation who operate a UAV and will be tailored to the Marshall Island civil aviation rules. There is a theoretical part of the course which can be undertaken on-line and a practical component to be face-to-face with the trainer. Only participants who have completed the theoretical part with a pass rate exceeding 80 per cent will be permitted to proceed with the practical assessment. The Remote Pilot License is issued after the practical assessment is completed satisfactorily. The whole course can take up to a week if delivered face-to-face with the trainer or up to 60 days if participants prefer to take their time through on-line training for the theoretical assessment.

OBJECTIVE OF THE ASSIGNMENT

The objective of this consultancy is to improve coastline and asset data collection using drone imagery with up to 10 people trained and certified with the Pacific Island Professional Drone Pilot License. Training to be delivered by a certified trainer tailored to civil aviation requirements of Marshall Islands and Fiji.

SCOPE OF SERVICES AND DESCRIPTION OF TASKS

The consultant must be certified by a recognized international agency and train participants use the Pacific Island Professional Drone Pilot Certification Course (Part 101 and 102) to obtain their Remote Pilot License. The key tasks will include:

- Deliver tutoring support for participants on the theoretical part of the course that could be delivered face-to-face if requested.
- Coordinate with respective Authority issuing pilot certificate license.
- Practical operational requirements of the SPC procured drone (DJI Matrice 300 RTK with KlauPPK GNSS & Sony a600 24MP camera).
- Deliver practical assessment for drone pilot certification.

EXPECTED OUTCOMES & DELIVERABLES

The main outcomes of the assignment include:

- At least 10 people certified with drone Remote Pilot Licenses.
- Improved collection of asset and coastline data/information to strengthen coastal management.

The consultant will be required to travel to Fiji and Marshall Islands to train nominated participants at these locations. The consultant will be responsible for organising own travel to Fiji and Marshall Islands to deliver the training.

Travel entry requirements by the Fiji and Marshall Islands Government around COVID-19 must be taken into consideration. It is therefore essential that the consultant must be fully vaccinated with two internationally recognised covid shots including the booster to qualify for entry into both countries.

EXPECTED EXPERT

Key qualifications and experience:

- Must be a qualified Drone Instructor and Assessor for drone certification exam and assessments.
- Certified by an internationally recognised agency that delivers drone training.
- At least 5 years' experience delivering drone training.
- Practical experience operating the DJI Matrice 300 RTK with KlauPPK GNSS and Sony a600 24Mp camera drone to be used in this training.
- Expert knowledge of Fiji and Marshall Islands civil aviation regulations covering operation of drones in their environments.
- Fluency in written and spoken English is essential.

- Must be fully vaccinated including booster shot for covid-19.

DURATION OF ASSIGNMENT

The consultancy is a lumpsum contract covering a period of 3 months that include travel to Fiji and Marshall Islands to deliver the training course.

REPORTING REQUIREMENTS

The consultant will report to George Beck, PREP Project Manager, georgeb@spc.int and will be working closely Herve Damlamian, herveda@spc.int, Team Leader – Ocean Prediction and Monitoring, Geoscience Energy and Maritime Division, Pacific Community.

The Consultant is expected to provide the following Reports:

Description	Timeline	Percentage
Training Programme	Week 2	10%
Registration of 10 nominated participants to undertake the training in Fiji and Marshall Islands.	Week 4	60%
Training Report – On completion of theory and practical training	Week 12	30%

Note – All costs must include travel costs to Fiji and Marshall Islands.

CLIENTS INPUTS

SPC will forward contact details for all participants to be registered for the training. SPC to also assist in organizing sufficient space to undertake the practical training and use of the SPC drone.
