

**REQUEST FOR INFORMATION (RFI) ON
AUTOMATED MOSQUITO IDENTIFICATION TECHNOLOGIES IN SINGAPORE
FAQs**

1. General Information

Q1.1: What is a Request for Information (RFI) and why is NEA using this approach?

A1.1: An RFI is an information-gathering exercise that allows NEA to assess available technologies and market capabilities before deciding on any future procurement approach. It helps NEA understand what technical solutions are currently available and if the solutions are suitable for Singapore's specific needs.

Q1.2: What is the purpose of this RFI?

A1.2: This RFI enables NEA to conduct market assessments of automated mosquito identification technologies, evaluating available capabilities, technical specifications, and deployment considerations. The RFI will provide market intelligence to assess the feasibility and suitability of these technologies for integration into NEA's vector surveillance operations.

Q1.3: When does the RFI open and close?

A1.3: The RFI opens on 31 March 2026 (Tue) and closes on 30 June 2026 (Tue) at 11:00 hours Singapore time.

Q1.4: Is there any funding available through this RFI?

A1.4: No. This RFI does not provide any funding to participating entities. This is purely an information-gathering exercise to assess market capabilities and technologies.

Q1.5: Is NEA obligated to award any contracts or funding through this RFI?

A1.5: No. NEA is under no obligation to shortlist any entity or invite any entity to subsequent Request for Proposals (RFP) or any other procurement activities if any. This RFI is not a procurement of goods or services and has no binding legal obligation on any parties.

2. Proposal Submission Requirements

Q2.1: What format should proposals be submitted in?

A2.1: Proposals must be submitted in English in **no more than 30 A4 pages** (excluding supporting documents) in both Microsoft Word and PDF formats via a single email not

exceeding 15 MB total size. Submissions must be received before the closing date of 30 June 2026 at 11:00 hours Singapore time.

Q2.2: What should be the email subject title?

A2.2: Use the subject title "NEA MOSQUITO ID RFI" when submitting to vectorcontrol_innovation@nea.gov.sg.

Q2.3: Can I address both challenge statements in one proposal?

A2.3: Yes. However, please submit separate proposals for each solution with clear indication of which challenge each response addresses.

Q2.4: What information must be included in the proposals?

A2.4: Proposals must include the requested information as detailed in [Annex A](#) of the RFI document.

3. Challenge Statements and Technical Requirements

Q3.1: Which mosquito species needs to be identified?

A3.1: For adult mosquitoes: *Aedes aegypti* (both male and female), *Aedes albopictus* (both male and female), and *Culex quinquefasciatus* (both male and female).

For mosquito larvae: *Aedes aegypti*, *Aedes albopictus*, and *Culex quinquefasciatus*.

Q3.2: How will accuracy be measured during the demonstration phase (For Shortlisted Entities Only)?

A3.2.: During the demonstration phase, shortlisted entities must use only NEA-provided samples to demonstrate their technology capabilities and submit comprehensive results, including accuracy metrics, performance data, and detailed technical methodologies.

Accuracy will be assessed by comparing the shortlisted entity's identification results against NEA's expert taxonomic identification. More details on the collection of NEA-provided samples will be shared separately with shortlisted entities.

4. Sample Provision and Testing (For Shortlisted Entities Only)

Q4.1: What samples will NEA provide to shortlisted entities?

A4.1: For adult mosquitoes: 300 laboratory-grown samples and 300 field-collected samples per shortlisted entity.

For mosquito larvae: 150 laboratory-grown samples per shortlisted entity. No field-collected larvae samples will be provided.

Please refer to Table 1 of the RFI document for detailed breakdown of sample quantities and permit requirements. More details on the collection of NEA-provided samples will be shared separately with shortlisted entities.

Q4.2: Do I need permits to handle the mosquito samples?

A4.2: For dead mosquito samples: No special permits are required.

For live mosquito samples: You must apply for an insectary permission. Please refer to the "Guidebook on Application for Permission for Insectary and or Use of Vectors" at <https://www.nea.gov.sg/our-services/pest-control/permission-for-insectary-and-or-use-of-vectors> for more information.

Q4.3: How long does the insectary permission application take?

A4.3: Approximately 30 working days from complete submission of documents to NEA. No fees are required.

Q4.4: Can samples be sent overseas?

A4.4: Only dead mosquito adults and larval samples, as well as mosquito eggs, may be sent overseas. Live mosquito specimens cannot be sent overseas. Shortlisted entities should also check the receiving requirements of the destination country.

Q4.5: Why are field-collected larvae samples not provided?

A4.5: Field-collected mosquito larvae samples are not provided because they develop rapidly, making it difficult to keep them at the larval stage long enough for distribution to multiple shortlisted entities.

Q4.6: If no field-collected larvae samples are provided, how should I test my technology under realistic conditions?

A4.6: Entities can simulate field conditions using laboratory-grown samples, including testing under conditions such as murky water, mixed species in the same water sample, and other variable environmental factors. This approach allows you to replicate the challenging conditions your technology would encounter in actual field deployment while using the standardised laboratory-grown mosquito samples provided by NEA.

5. Singapore Presence

Q5.1: Do I need to have a Singapore office to participate in this RFI?

A5.1: No, but you must provide Singapore operations details if applicable, including a contact point responsible for coordinating the collection and handling of mosquito samples.

Q5.2: Who should be the primary contact in Singapore?

A5.2: You must designate key personnel based in Singapore who will serve as primary contacts responsible for coordinating the collection and handling of adult mosquito and mosquito larvae samples if shortlisted, as well as serving as the main point of contact for any clarifications, requests and communications with NEA throughout the RFI process. The details of the Singapore-based personnel should be stated clearly in the submitted proposal and ideally be capable of directing NEA to relevant personnel in overseas offices should the need arises.

6. Evaluation and Shortlisting Process for the RFI

Q6.1: What are the evaluation criteria?

A6.1: The evaluation criteria are technology solution (identification capabilities, feasibility, scalability, innovativeness, maturity), envisaged performance and reliability, demonstration plan, cost effectiveness, and credentials (track record and experience). Please refer to Annex A in the RFI document for more detailed information required to be submitted in your proposal.

Q6.2: What is Annex B and when does it apply?

A6.2: Annex B contains the submission requirements for only shortlisted entities after they have completed testing with NEA-provided samples. It outlines the documentation that must be submitted following the demonstration phase.

Q6.3: Do I need to address Annex B requirements in my initial proposal?

A6.3: No. Annex B requirements only apply to shortlisted entities after they have completed testing with NEA samples. Your initial proposal should focus on the requirements outlined in Annex A. Final detailed submission requirements for Annex B will be provided to shortlisted entities upon completion of the RFI evaluation process.

Q6.4: What happens after shortlisting by NEA?

A6.4: Shortlisted entities would receive NEA samples for testing and must demonstrate technology capabilities using exclusively provided samples. They must submit comprehensive results including accuracy metrics and technical methodologies at no monetary cost to NEA. More details will be provided to shortlisted entities regarding the collection of samples from NEA contractors.

Q6.5: How long is the demonstration phase?

A6.6: The demonstration phase should not exceed 3 months (excluding permit application time).

7. Data and Confidentiality

Q7.1: What are the data protection requirements?

A7.1: Shortlisted respondents must ensure data management compliance with Singapore government data protection regulations and requirements, including encryption and access controls.

8. Contact and Support

Q8.1: Who can I contact for enquiries on this RFI?

A8.1: For enquiries on this RFI, please contact NEA at vectorcontrol_innovation@nea.gov.sg.