FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Terms of Reference for Choose an item. *

Name:			
Job Title:**	Fruit fly mass rearing studies		
Division/Department:	Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture (AGE)		
Programme/Project Number:			
Duty Station:	**Insect Pest Control Laboratory, Seibersdorf, Austria**		
Expected Start Date of Assignment:	1 June 2019	**Duration:**	11 months
Reports to:	***Name:*** Mr Qu Liang	***Title:***	Director AGE

* Please note: If this TOR is for Consultant / PSA.SBS contract, the minimum relevant experience required **for the assignment** is as follows:
1 year for a category C 5 years for a category B 12 years for a category A

** Please enter a short title (max 25 chars) for this assignment.

GENERAL DESCRIPTION OF TASK(S) AND OBJECTIVES TO BE ACHIEVED

(1) Development and testing of artificial fruit fly larval diets. A suitable artificial diet for the rearing the Drosophila suzukii is available but final formulation for mass-rearing needs to be optimized to allow the production of high quality insects as a primary requirement for the susses of SIT (to be conducted during all the internship period)
(2) To develop and validate Gamma and X ray sterilization protocols for Bactrocera dorsalis and Drosophila suzukii species (to be conducted during the last 4 months of the internship)

KEY PERFORMANCE INDICATORS

Expected Outputs:	Required Completion Date:
Artificial larval diet developed Irradiation protocols developed and validated	30 April 2020