var $axis as axis = x

// Reset all PSO configuration.  
PsoReset($axis)

// Configure the distance module to track primary feedback. In this example, the x axis drive is an Automation1 XC4e amplifier.  
PsoDistanceConfigureInputs($axis, [PsoDistanceInput.XC4eDrivePulseStream])

//Configure which axes are tracked by the controller. The input axes can be real or virtual. Note that the same scaling factor (1)  
//is applied to both virtual axes in this example.  
DrivePulseStreamConfigure($axis, [X, Y], [1, 1])

// Configure the distance module to generate an event every .1 units.  
PsoDistanceConfigureFixedDistance($axis, UnitsToCounts($axis, .1))

// Enable the distance counter.  
PsoDistanceCounterOn($axis)

// Enable distance events.  
PsoDistanceEventsOn($axis)

// Configure waveform module in pulse mode: 1 periods per event, 2 ms total time, 1 ms on time (50% duty cycle).  
PsoWaveformConfigureMode($axis, PsoWaveformMode.Pulse)  
PsoWaveformConfigurePulseFixedTotalTime($axis, 10000)  
PsoWaveformConfigurePulseFixedOnTime($axis, 5000)  
PsoWaveformConfigurePulseFixedCount($axis, 1)  
PsoWaveformApplyPulseConfiguration($axis)  
PsoWaveformOn($axis)

// Select the waveform module output as the PSO output source.  
PsoOutputConfigureSource($axis, PsoOutputSource.Waveform)

//Enable pulse stream output  
DrivePulseStreamOn($axis)

//Motion code inserted here...

// Disable distance events.  
PsoWaveformOff($axis)  
DrivePulseStreamOff($axis)