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)