DOMOSAPIENS RANDOM EVENT TRIGGER

This driver enables you randomly trigger one of several Events.

Programming commands are available to randomly trigger one of the Events or one Event among a range of selected Events. In addition, the driver has a Shuffle capability where a random table (no repetitions) of the available Events may be triggered, one by one. Optional Ending Events are available, with potential overlaps to orderly terminate the previous Event (such as turning a light Off) before or shortly after activating a new random Event (such as turning another light On).

INSTRUCTIONS

1. Use the free trial period or activate the driver at any time by assigning to this project the license you purchased from the DriverCentral website (requires the DriverCentral Cloud driver). You may use multiple copies of this driver in your project.

2. Select the number of Events desired using the *Number of Events* property. The Events will be numbered from 1 up.

3. Use one of the programming Commands to trigger a random Event. The regular command (*Trigger Random Event*) will trigger one Event among the total number of available Events (repetitions are possible – this is random!). The *Trigger Random Event in Range* command will trigger an Event randomly between the minimum and maximum Event numbers selected. In all cases, the maximum Event number is limited to the value specified for *Number of Events*.

4. The Shuffle commands are used to initialize a Shuffle table of random Events where each Event is present once and only once and then, with the *Trigger Next Shuffle* command, trigger the next random Event from the table. If you do not initialize the Shuffle table before issuing a *Trigger Next Shuffle* command, the table will be automatically initialized with the *Number of Events* specified.

5. Optionally choose to use Ending Events (*Generate Ending Events* property) where an Ending Event for the previously-triggered random Event is triggered before or after (overlap) a new random Event is triggered. Use this, for example, to turn Off a light which was turned On by the previous random Event before moving on to the next random Event. The Ending Event would typically be triggered before triggering the new random Event (No overlap) or possibly shortly after (selectable Overlap) the new random Event is triggered.

PROPERTIES

- **Cloud Status** displays the status of the DriverCentral Cloud driver.

- **Automatic Updates** turns the DriverCentral automatic update facility On or Off.

- **Driver Version** displays the version of this driver.

- **Driver Information** displays various status messages about the driver.

- **Debug Mode** turns Debug Mode Off or On (with output to the Lua Output window).

- **Debug Duration in Minutes** sets the duration of Debug On.

- **Number of Events specifies** the total number of Events supported by the driver. They are numbered starting with 1.

- **Generate Ending Events** specifies if an 'Ending Event' will be triggered for the most currently triggered Event before triggering the next requested Event. Specifying Yes will enable the next two properties.

- **Events Overlap** specifies if the Ending Event will be triggered before the new random Event (no Overlap) or if there will be a small Overlap (specified below) where the Ending Event for the previous Event will be triggered shortly after the new random Event is triggered.

- **When Pending Overlap** determines what happens if a new random Event ("C") is triggered shortly after an Event ("B") while an overlap for a previous Event ("A") is already in effect. The Ending Event for "A" may then be triggered immediately or simply discarded, based on this property. The overlap for Event "B" would then always start and execute normally.

SUPPORT

For support on this driver please go to https://help.drivercentral.io/. Give a detailed description of the problem and also include the version number of the driver and the version of Control4 OS that you are using.

AUTO UPDATE

This driver is updated with fixes and new features from time to time. To ensure your project uses the latest version, set the Automatic Updates property of the driver to On.

CHANGELOG

10.0.0	November 20, 2020	Initial Release
11.0.1	December 7, 2020	Added Shuffle capability and ending Events with optional overlap
11.0.2	January 3, 2021	Shuffle range issue fixed
11.1.0	January 9, 2025	Minor issues fixed with persistence of Variables, documentation enhanced