FuelCell Addendum – SET8XX Support

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Introduction

This document describes how FuelCell Arbitrary Control experiments can be used to trigger events via a separate external program.

This document applies to FuelCell version 3.6 and later.

Up to 8 numerical parameters can be sent to the external program as command line parameters.

The external program must be named SET8XX.EXE where XX is any number between 00 and 99. The external program must be located in the same directory as the FuelCell.exe program (normally c:\FuelCell\).

The SET8XX program should exit within one second of being launched. If the external program takes longer to exit, the user must assure that there is sufficient time in the arbitrary control experiment between calls to the external program for it to exit.

In this addendum, SET893.EXE and SET801.EXE will be used as an example. Other program names can be used in an identical fashion, and may be intermixed in an Arbitrary Control Experiment. The SET893 program expects 2 parameters. The SET801 program expects 4 parameters.

```
' Action = 893        send message to external 893 control program
' example        893     1       18
' the 2 parameters are not directly interpreted by the FC program
' they are passed directly to the 893 program using the syntax
' Set893.exe  1  18
1     0.1
0     1
0     1
0     1
893   1     18
1     0.2
0     1
0     1
0     1
801   1     2     3     4
0     1
0     1
```