This document provides a protocol for building Cell Array ID\_Par sent to MATLAB engine and used by ProcessCommand.m script. Examples are given in context to the VandeVusse Reactor. The data files in the old version are no longer needed since the data arrays are sent to MATLAB engine from DRMBuilder. The CommandParameter.txt file has also been eliminated.

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| Row | Content/ Example | Description |
| 1 | Simulink\_Model\_test.mdl | Simulink filename |
| 2 | [0.01] | Sampling/communication time (from Simulink) |
| 3 | [1e-3] | Min. Integration Interval (from ACM) |
| 4 | hour | Time unit |
| 5 | VdVR.Feed.Ca VdVR.Feed.F VdVR.V | Input name. Alternative is input description as provided by user: Caf F V |
| 6 | kmol/m3 m3/hr m3 | Input units |
| 7 | [1.5 -1 -1] | Input ramp-rates (-1 for pure step change or time-invariant input) |
| 8 | [1 2] | Index corresponding to time-varying inputs |
| 9 | VdVR.Prod.Ca VdVR.Prod.Cb | Output name. Alternative is output description as provided by user: Ca Cb |
| 10 | kmol/m3 kmol/m3 | Output units |
| 11 | [1] | Index corresponding to DRM modeled outputs |
| 12 | Plot | Provide command. Select Simulation or Plot or UQ |
| 13 | Validation | Provide dataset to use. Select Training or Validation |
| 14 | [1 2] | Input variable indices, if Row 12 is plot |
| 15 | [1] | Output variable indices, if Row 12 is plot |

All numbers should be within square brackets (even for scalar).