**Mestra**

Triggers & Programs

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# History

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|  |  |
| --- | --- |
| **Date/period** | **Actions** |
| Nov 8, 2017 | Initial Version |

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# Introduction

This document describes the application software, which transforms the (text) file containing triggers and programs/instruction towards a file that is read by the Mestra Controller.

# Requirements

This paragraph shows all requirements common to all Mestra (embedded) software.

Table 2: Requirements GS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Base ID** | **Version** | **Category** | **Item** | **Description** |
| GenS100 | - | 1.0 | Rules | Amount | At least 100 rules can be defined.  *Rationale: to have a useful system, enough programming flexibility is needed.* |
| GenS200 | - | 1.0 | Rules | Simultaneously | At least 20 rules can be active simultaneously.  *Rationale: to have a useful system, enough programming flexibility is needed.* |
| GenS210 | - | 1.0 | Triggers | Amount | At least 100 triggers can be defined.  *Rationale: to have a useful system, enough programming flexibility is needed.* |
| GenS220 | - | 1.0 | Commands | Amount | At least 100 programs can be defined.  *Rationale: to have a useful system, enough programming flexibility is needed.* |
| GenS230 | - | 1.0 | Commands | Per Trigger | At least 10 instructions per program can be defined.  *Rationale: to have a useful system, enough programming flexibility is needed.* |
| GenS500 |  | 1.0 | Testing | Unit testing | Testing of software can be performed automatically by using unit testing.  *Rationale: Manual testing is too time consuming and software will be complex.* |