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| **Изображение выглядит как объект, пропеллер, часы, птица  Автоматически созданное описание** | **Quadcopter Systems Solutions**  **Naming Convention** | **Created: 03-Sep-2020 IS**  **Updated: 03-Sep-2020 IS** |

All CAD is organized using the system outlined below; it categorizes the prototype number, configuration, subgroup, design name, revision and a part or assembly specification.

Ex: P0\_B\_Arm\_arm\_2.0.prt

1. First 2 characters stand for prototype number. As of the latest update there is only 1 prototype.
2. 3rd Character (not including underscores) specifies the configuration. The current active configurations are specified below:
   1. B – base configuration
3. The next abreviation describes the subgroup/project that the design belongs to. Current projects are listed below:
   1. MF – Main frame
   2. ARM – Arm assembly
   3. CHS – Feet/chassis system
   4. PLD – Payload
4. The next word/phrase describes the part/assembly itself, this should give a clear idea of what the part is while staying as short as possible. An example is given below:
   1. Prop guard
5. The name of the part/assembly is followed by its revision number. Small changes can go without a change in revision. Significant changes warrant a change in the decimal. Major changes that result in at least 40% of the design changing require a change in the main revision number.
   1. Ex: original arm design: 1.0  
       connecting screw location shifted: 1.0  
       arm - main frame connection change: 1.1  
       prop guard and connection to arm get completely redesigned: 2.0
6. The final part of the name is meant to show whether the design is a part (.prt) or an assembly (.asm)