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DOC REF: 0000021	TITLE: PROCEDURE – SYSTEM	ENGINEERING I	PART NUM	IBERING

1. Purpose

1.1. The purpose of this document is to define the part numbering system employed by AEU to control Engineering parts, drawings and associated documents

2. Scope

2.1. All AEU generated engineering parts, drawings and associated documents related to engineering projects

3. Terms & Definitions

None

4. PROCEDURE

4.1 PART No. HIERARCHY



4.2 NUMBER PREFIXES

- SW For all parts, models, assemblies, drawings, etc created in solidworks
- SP For all parts, assemblies, drawings etc created in Autocad and all legacy data
- **KP** For non-part related documents and all parts not requiring a SP or SW type number
- **KPE** For customer part drawings requiring a KPE 4 digit number issued by quality assurance

4.3 NUMBER DESIGNATION

Project SP0999

Each project is given a 4 digit number with the prefix SP. The parts list at this level will be a list of assemblies, individual parts or a combination of both.

Assembly (optional) SP0999A

Each assembly will have an associated parts list. This could be made up of individual parts, sub-assemblies or a combination of both. A project may have any number of assemblies. Each assembly is denoted by a letter linked to the project number. When A-Z has been consumed a dual letter system can be used, i.e. AA, AB, AC...etc.

Sub-assembly (optional) SP0999A-A

Each assembly may have any number of sub-assemblies, these are denoted by a letter in the same format described previously. Sub-assemblies are separated from assemblies with a hyphen. Each sub-assembly will have an associated parts list consisting of up to 999 individual parts.

Individual part SP0999A-A001

Each individual part is denoted by a three digit number linked to the parent assembly or sub-assembly

• Part configuration (optional) SP0999A-A001-01

A part configuration may be used where an individual part my have a number of different sizes.

Each part may have up to 99 configurations.

4.4 EXAMPLES

• SP0555D-B001-02

This is the second configuration of part 001 from sub-assembly B of assembly D from project SP0555

• SP0777-012

This is an individual part from a small project that does not require assemblies.

• SP8888D-005

This project is split into a number of assemblies. This is an individual part from assembly D that is not part of a sub-assembly.

• SP0678AC-A007

SP0678 is a very large project with at least 30 assemblies. This is an individual part from sub-assembly A of assembly AC.

• KP0678

This is a document supporting the design of general arrangement SP0678 such as design calculations in an excel spreadsheet etc. Configuration numbers can be used where more than one document is required e.g.

KP0678-01 (structural calculations)

KP0678-02 (dynamic calculations)

5 Associated documents

5.1 All documents defined within the scope of this procedure