Specification for Generic Triaxial Data File

1. The data file shall contain two sections: a header and a data table.

2. The header shall be separated from the data table by a blank line.

3. The header shall consist of five (5) rows of comma delimited text as follows:

   (i) "Sample ID", value;
   (ii) "Specimen ID", value;
   (iii) "Initial Height", units (one of [mm, in]), value;
   (iv) "Initial Diameter", units (one of [mm, in]), value;
   (v) "Rate of Strain", units (one of [mm/min, in/min, %/min]), value.

4. (a) The data table shall consist of two mandatory rows of comma delimited text as defined below (c) and as many rows as are required for the test results as comma delimited text.

   (b) The decimal point in test data is to be represented by the use of the period, or full-stop: ".".

   (c) The first two rows of the data table shall consist of:

      (i) "Axial Displacement", "Axial Force", "Cell Pressure";
      (ii) One of [mm,in], one of [kN,lbf],one of [kPa,psi].

5. When saving the file, the file name shall include the extension ".qtd".
   For example: "UU_ExampleFile.qtd"

6. Example file contents:

```
"Sample ID",S1
"Specimen ID",S1.1
"Initial Height",mm,80
"Initial Diameter",mm,40
"Rate of Strain",mm/min,2.0

"Axial Displacement","Axial Force","Cell Pressure"
mm,kN,kPa
0,0.1305,107
0.89,0.2514,201
1.68,0.475,201
2.51,15.195,200
3.39,29.848,201
4.41,26.033,201
5.47,23.431,201
6.47,21.738,201
7.56,20.429,201
8.77,19.527,201
9.8,19.204,200
11,19.089,201
```