# Verisurf File Documentation

**Report Header Information**

The following details are included in the report header:

* **Date**: The date the report was generated.
* **Time**: The time the report was generated.
* **Serial Number**: The serial number of the part being inspected.
* **Part Name**: The name of the part being inspected.
* **Part Number**: The unique identifier for the part.
* **FAIR Number**: The First Article Inspection Report number.
* **DWG #**: The drawing number associated with the part.
* **Part ID**: The unique identifier for the part.
* **Work Order #**: The work order number associated with the inspection.
* **Inspector**: The name of the person who conducted the inspection.

Feature Headers start at Row 7. Features start at row 8. Report header information can be customized (rare cases) for additional output rows. I do think we can program our loader to require the standard number of headers shown in the sample file.

**Report Fields**

This is the standard set of columns for the report, most users do not customize the columns in the output. Columns could be removed, but it is unlikely to happen. I say that we don’t need to customize the Net-Inspect loader to accommodate customization of the columns.

**ID**

* **Description**: The Characteristic ID from the Bill of Characteristics or Feature number, as referenced by Doug.

**TYPE**

* **Description**: The Feature Type such as Circle, Line, Plane, etc.

**GROUP**

* **Description**: A folder created by a user in the Verisurf Database where the Feature is stored or placed for organizational purposes.

**NAME**

* **Description**: The Name of the Feature as defined by the user in the Verisurf Database.

**ITEM**

* **Description**: The specific measurement or attribute that the user has enabled on the Feature to include in the report, such as X, Y, Z, Diameter, etc.

**MEASURED**

* **Description**: The measured value of the feature.

**NOMINAL**

* **Description**: The nominal value of the feature.

**UPPER TOL**

* **Description**: The upper tolerance limit. For absolute tolerances such as Flatness, Parallelism, Perpendicularity, Position, etc., the tolerance value is placed in the UPPER TOL field.

**LOWER TOL**

* **Description**: The lower tolerance limit. For absolute tolerances, the LOWER TOL field will be blank.

**DEVIATION**

* **Description**: The deviation or difference between the measured value and the nominal value.

**OOT**

* **Description**: Out Of Tolerance indicator. If a feature is out of tolerance, this field indicates how far out of tolerance the feature is.

**PERCENT**

* **Description**: The percent of the tolerance that has been consumed.

**ANCHOR X Y Z I J K**

* **Description**: These fields are not often used. However, in 3D SPC applications, the ANCHOR X Y Z I J K can be used to place the information in a balloon at a specific location.