Issue: API tubular specifications do not set a maximum tensile strength value for tubulars (do not confuse tensile strength with yield point). Only minimum tensile strength requirements are set by API in SC5 documents. This maximum tensile strength value is required to aide in the determination of the ability for BOPs to shear pipe.
API SC 16
Maximum Tensile Strength Determination for Tubulars

- Work Item (WI 1608) was set up to investigate this within SC5.

- This issue cuts across four major API SC5 tubular documents. These are API 5CT (Casing and Tubing), API 5DP (Drill Pipe), API 5L (Line Pipe) and API 5CRA (Corrosion Resistant Alloy Pipe).

- Maximum tensile strength data was collected and analyzed from a number of mills and SC5 now understands the characteristics of the data.
API SC 16
Maximum Tensile Strength Determination for Tubulars

- Reporting back to SC 16:
  - Is maximum tensile strength values still of relevant value to SC 16?
  - Tensile strength data is quite high with a wide distribution for some grades.
  - Many within SC5 do not want to see another API specification requirement for their pipe to meet.
  - Targeting the tail (high values) of the tensile strength distribution is not advisable. Will make it hard for the BOP shearing folks.
  - Set a target reliability level for maximum tensile strength values for SC 16 which will be used for shear calculations but not incorporate it into any of the API SC5 tubular specifications. This target reliability level can be incorporated into one of the existing SC 16 documents.