An SPE paper - Validation of Depth Error Terms

- **What do we want to achieve? – Deliverable = an SPE Paper which**
  - **Fully describes an Error Model for ALL Measured Depth applications**
    - Includes all possible sources of error (extension of present survey error model terms)
    - Describe impact and application on downhole measurements
    - Quantify input to error model (with explanations)
    - Quality control for depth
      - Validation of the model's assumptions
      - For field use, i.e. as near real time as possible
    - Describe translation to TVD error from a non-survey MD value

- **Why ? – In order to:**
  - **communicate to the Industry at large the errors inherent in the depth business**
  - **provide OpCos with a tool to evaluate the validity of any depth accuracy proposal in order to generate an informed cost benefit analysis**

An SPE paper - Validation of Depth Error Terms

- Primary Commitment: Tech 21, Inteq, Schlumberger, Sperry-Sun, TOTAL
- Secondary Commitment: Statoil, ChevronTexaco, BP, Scientific Drilling and ExxonMobil

- Goal: SPE Paper co-authored by above Group of company reps at SPE October 2005 in Dallas.
  - Presentation by Oil Company Rep to ensure vendor neutrality
  - Emphasis where possible on practical field examples to demonstrate validity

- Time line : Abstract Dec15 2004, Paper Submission 15 June 2005, Presentation October 2005

- Working Teams:
  - Core WritingTeam: Angus Jamieson, Dave McRobbie, Harry Wilson
  - Review and Challenging Team: Benny Poedjono, Paul Rodney, Brett van Steenwyk, Stein Havardstein, Bill Calhoun, Alain Louis, Andy Brooks, Matthew Rhodes, ExxonMobil Rep tbc, Steve Holehouse,

- Co-ordination/ Focal point: Steve Holehouse, TOTAL Paris

- First Meeting of Core Team = 21 October 2004 in Inverness