
Position Reference Sensors

MTS'98

A Selection of Position Reference Sensors

- For Class 2 and Class 3 operations at least 3 independent position reference systems of adequate quality are required
- **Surface navigation Systems**
 - **Satellite based systems** **GPS, Glonass**
 - Radio navigation systems Loran C, Hyperfix, Pulse 8
 - Short range systems Artemis, Syledis, Micro-Fix
- **Subsurface Hydroacoustic Systems**
 - **Long, Short or Ultrashort baseline systems**
 - **Combined acoustic positioning systems**
- **Taut Wire**
- **Riser Angle Monitoring**
 - Electrical or acoustic
- **Associated sensors**
 - **Vertical Reference Units**, Gyros
 - Integrated Inertial/other systems

Authors

- **Surface Positioning for DP Operations**
 - Mark Buhrke - John E. Chance and Assoc (Fugro)
- **Problems areas of DGPS in DP Operations**
 - Richard Prothero, Gary McKenzie - Racal NCS, Inc.
- **Attitude Sensors and application to DP Systems**
 - Robert Balloch, Mark Field - TSS (UK) Ltd.
- **Acoustic Positioning in Deep Water**
 - Jan Erik Faugstadmo, Kåre Alfred Johansen - Kongsberg Simrad
- **Acoustic Positioning Tutorial**
 - Keith Vickery - Sonardyne
- **Panel Discussion**
 - With a “Drivers” point of view Ian Smith C-Mar