

**NSHC 27<sup>th</sup> Conference  
Rostock  
September 2006**

**ExplanatoryNote  
Item B 5  
Norway**

### **Expectations for a new positioning system (TerraPos)**

TerraPos is a new GPS post processing software package developed by the company TerraTec. TerraPos is built on the same principles as the AbsPos system, utilized by NHS today, but has some improvements on error modelling effects and robustness. Combined with use of high-rate satellite clock corrections from various IGS analysis centres, TerraPos shows a significant improvement in positioning accuracy compared to AbsPos. Testing carried out autumn 2005 / winter 2006 indicates an accuracy of 5-10 cm (95 %) horizontally and 10-15 cm (95 %) vertically. Further testing on larger data quantities is expected to verify this accuracy and thereby justify use of GPS heights for ellipsoidal reference. TerraPos is going to replace AbsPos in the NHS production line during spring 2006.