

Topcon (GB) GPS+ e-Newsletter
June 2005

Welcome to the Topcon GPS+ e-Newsletter. This monthly e-Newsletter is designed to bring you the latest information about Topcon GPS+ and GPS+ activities. If you do not wish to continue to receive this GPS+ e-newsletter, please reply with 'No GPS+ e-news' in the subject heading only. Or if you wish to sign someone else onto the newsletter please forward and ask them to reply to GPSnewsletter@topcon.co.uk with 'Yes GPS+ e-news' in the subject field.

Also attached is a PDF copy of this newsletter in case you are unable to view this HTML version. You can also view this and previous GPS+ e-newsletters at www.topconsurvey.co.uk/gps/index.htm

We would welcome any comments to improve this service.

More delays for the first GPS L2C satellite

A series of glitches has delayed the launch of the first modernized Block IIR-M GPS satellite. The spacecraft will be the first with the capability to transmit the new second civil signal, L2C, which will be broadcast at the GPS L2 frequency. Even when this satellite is deployed the US air force will test the satellite for 6 months then will still need to decide on whether it should be released or not. A US statement in the recent GPS World May edition, says

*"The status of those signals after completion of the test is still under discussion," she said. **"For either signal to be truly operational, the constellation will need many more satellites on orbit broadcasting the new signals."***

For L2C to make any impact it will require as stated above, many more L2C capable satellites or even a full constellation which is not projected until at least 2012. At Topcon we believe that the L2C signal has no impact on precise surveying, particularly as we already combine our GPS with many more satellites from the Russian Glonass system. These satellites transmit L1 + L2 carrier, p-code, C/A and even already have L2C capability on new Glonass-M satellites!

For full details of the GPS World article, please refer to <http://www.gpsworld.com/gpsworld/article/articleDetail.jsp?id=163845>

13 from 14 Glonass now in operation - What does this mean for you?

13 Russian Glonass satellites out of a possible 14 are now in operation. This will be enhanced by a further 3 more Glonass in December this year.

What this currently means for GPS & Glonass users is that you will be able to view an extra 5 or 6 extra Glonass satellites in the morning and 4 or 5 satellites in the afternoon. Customers have been put in positions where they can only view 3 or 4 GPS satellites alone, but with the extra Glonass they are able to track a combined 7 or 8 satellites! needless to say this speaks for itself when you require a minimum of 5 satellites to initialise a GPS receiver for RTK

For up to date Glonass constellation status please refer to <http://www.glonass-center.ru/nagu.txt>

All action GPS+ Machine Control demonstrations.

In May Topcon attended the SED construction exhibition in Milton Keynes with a large outside stand consisting of a trailer with all the latest GPS equipment on view outside and as the main attraction was a fully equipped Komatsu D61 Dozer, with a Three Dimensional mmGPS+ fully automatic Machine Control system.

The event was a great success with many large contractors making immediate requests for the GPS+ machine control systems.

Topcon will next be attending the Hillhead 2005 Show in Ashbourne, Buxton on June 21st - 23rd, again we will have all our latest GPS+ systems on show together with a fully equipped mmGPS+ Komatsu Dozer, on an all action demonstration

Please come and visit us at the Hillhead show on stand D2.

For further information on the show, please visit www.hillhead.com or contact us for a registration form



SED 2005 3DMC demonstrations

Regards

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