Evening Presentation Notice

Date:      Tuesday, January 29th, 2013
Time:     19:00
Location: Télé-Québec – Studio 3 – Jean Fortier
          1000, Fullum street, Montreal
Subject:  DVB-S2 Extensions Demystified - Presented by Newtec

The satellite world has changed a lot since DVB-S2 was first published in 2005.

Higher speeds, more efficient satellite communication technology and wider transponders are required to support the exchange of large and increasing volumes in data, video and voice over satellite.

The biggest demand for the extensions to the DVB-S2 standard comes from video contribution and high-speed IP services, as these services are affected the most by the increased data rates.

In the long run, more throughput will be required for Direct-to-Home applications as well with the rise of Ultra-High Definition TV (UHDTV) and the High Efficiency Video Coding (HEVC) video compression standard to support the request of higher quality images by the market.

Ultimately, for satellite businesses, the creation and adoption of "DVB-S2 extensions" will translate to higher efficiency, higher speed and greater service robustness to increase business and therefore revenues.

The technologies involved in S2 Extensions are:

- Low roll off, smaller carrier spacing and advanced filter technologies
- MODCOD and FEC upgrades (more granularity, adding 64 APSK, improving FECs & MODCODs and differentiating linear & non-linear MODCODs)
- Wideband (72 Mbaud) implementation.

The combination of technologies incorporated in the new standard results in a gain of up to 20% for DTH networks and 64% for other professional applications compared to DVB-S2.

This presentation will review the seven main advantages offered by DVB-S2 extensions along with an update on their progress in being adopted as part of a revised standard.

Our Presenter is Mr, Waylon Sun. Mr Sun is Manager, Regional Support Center Americas for Newtec.