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## News Release

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**For Immediate Release**

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### ***sat-nms* NMS Satellite Control Channel Option introduced by SatService Gesellschaft für Kommunikationssysteme mbH**

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SatService Gesellschaft für Kommunikationssysteme mbH is pleased to announce the upgrade of its *sat-nms* NMS Network Management System with a satellite control channel (SCC) capability.

The *sat-nms* NMS normally uses TCP/IP Ethernet or dial up telephone lines (analogue telephone, ISDN, GSM) for the monitoring & control links between the NMS and each particular VLC (VSAT Local Controller) at remote satellite ground stations or VSAT.

The new SCC (satellite control channel) option enhances the *sat-nms* system with the capability to control VLCs via satellite, without the need of a terrestrial communication link.

This enables customers with the help of the *sat-nms* NMS and VLC system now to upgrade its SCPC/MCPC VSAT systems, consisting of different vendors equipment (like transceivers, satellite modems and router etc.), to set-up a small or medium sized VSAT system with a cost efficient NMS from SatService GmbH.

The hardware solution is based on the use of IP routers and satellite modems or of satellite modems with integrated IP router functionality. The outbound (or “one way”) communication channel is broadcasted from the NMS to all remote terminals (VLCs) in the network. This channel transmits commands to each VLC, enveloped in UDP/IP packets. The addressing scheme allows to address messages either to particular VLCs (using fully qualified network addresses) or to broadcast messages to multiple VLCs.

Beside the one way communication channel, an IP point to point communication can be set up to each VLC at a time. This bidirectional and fully transparent network link is used to fetch the actual status of the VLC and to perform configuration or maintenance tasks where a full access to the VLC is required.

SatService Gesellschaft für Kommunikationssysteme mbH is a Company under German law founded 1996 in Steißlingen, South Germany at the Lake of Konstanz directly at the border to Switzerland. The Company provides a broad range of services and products to their customers in Europe in the field of Satellite Ground Stations, Satellite News Gathering Systems, In-Orbit-Test, Monitoring & Control and Network Management Systems and VSAT networks. The services include: consulting, system concepts and design, system integration, acceptance tests, repair and service center for Satellite Communications related products.

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