

Huawei, a leader in providing next-generation telecommunications network solutions for operators around the world, and China Telecom, today jointly announced the successful lab testing of its end-to-end (E2E) 1588v2 clock solution, using Huawei's OTN (Optical Transport Network) and MSTP (Multi-service Transmission Platform) transport products. Being organized by China Telecom Beijing Research Institute, the test demonstrated the high performance and reliability of Huawei's 1588v2 clock solution, which exceeds the current performance standard required for commercial use.

It also provides an important reference for China Telecom to deploy 1588v2 over the live network. The 1588v2 clock solution provides accurate clock signals of the same frequency and phase for base stations and it meets the strict clock requirements of 3G and LTE, while keeping mobile phone signals unaffected during switching between base stations.

"The completion of this E2E 1588v2 clock solution test is an important step towards the mass-market deployment of 1588v2," said Christian Chua, president of Transport Product Line, Huawei. "Wireless services with high clock requirements are expanding to wide areas and the LTE era is coming. To meet the demand, Huawei will gradually put 1588v2 into commercial use, as it has already been embedded into our transport products."

In this joint test between Huawei and China Telecom, the synchronization accuracy was less than 300 ns, far better than 1s, which is the benchmark for commercial use. The number of nodes that the clock signals traverse reached more than 30, but no compensation is needed throughout the entire network during the test. At the same time, the test showed that the 1588v2 performance was highly reliable and unaffected even in the case of a fiber break or power outage, ensuring smooth operation of wireless services.

Huawei is committed to providing operators worldwide with a unified transport solution featuring ultra-high speed, no congestion, high reliability, and full intelligence. This unified transport offering is a 1588v2-capable solution that integrates WDM/OTN, MSTP/Hybrid MSTP, and microwave systems, and achieves instant service provisioning over massive bandwidth.

[About Us](#)

[We are Hiring](#)

[Contact Us](#)

[Subscribe](#)

[Privacy Policy](#)

[Advertise](#)

[Terms & Conditions](#)

---

Copyright © 2010, tele.net.in All Rights Reserved

