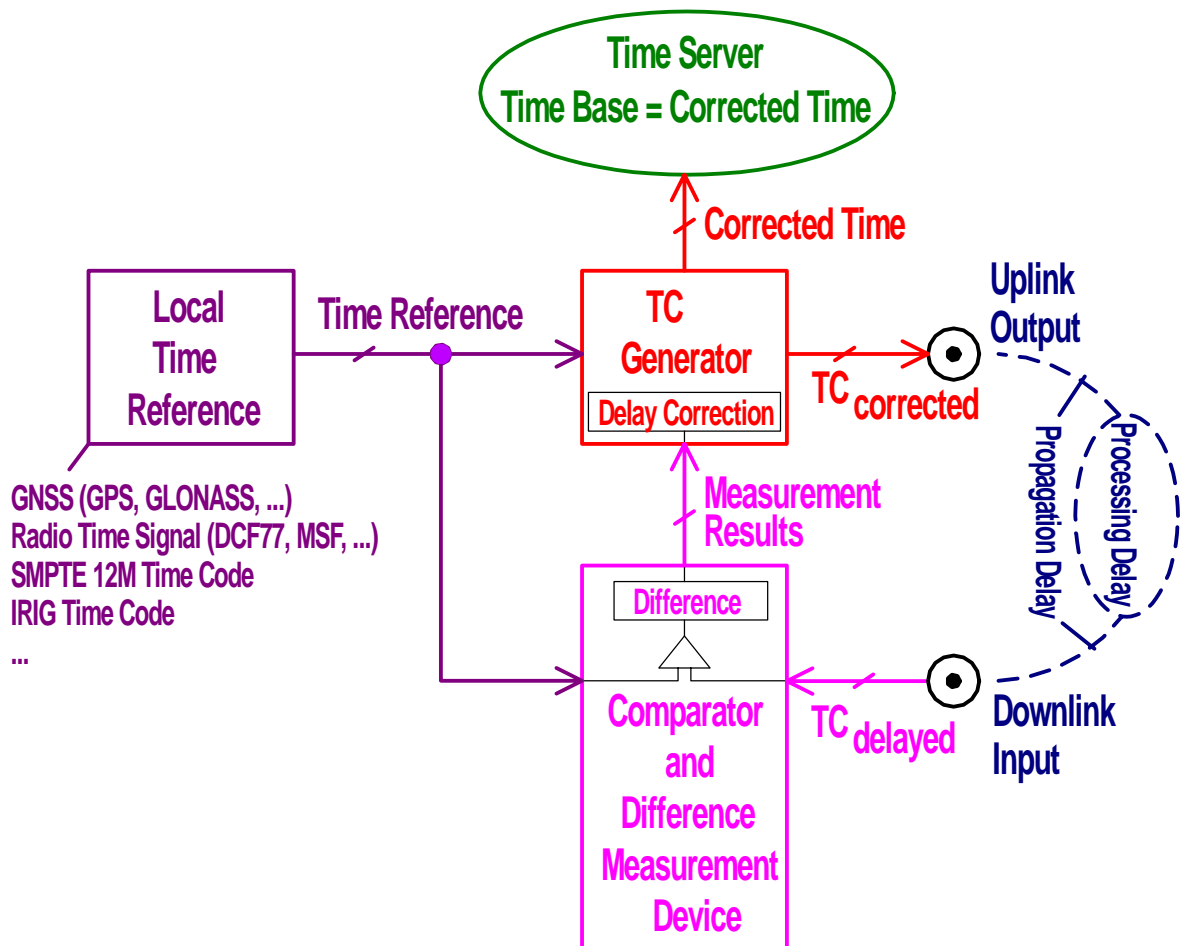


The following description introduces a special application of a Master Generator module in conjunction with a Changeover/Analyser module of the *Alpermann+Velte* RUBIDIUM Series:

Time Delay Compensation



A time code (SMTPE 12M time code, IRIG-B, ...) is generated and transmitted. While travelling from uplink output to downlink input, the signal will be delayed because of propagation and processing. The delayed signal will be compared to a local time reference. The time code generator receives the time difference and corrects the output signal in order to minimize the difference. Any signal shifting will be smooth; the output signal always will be kept within the specified frequency range. Thus, a new time reference can be made available based on the corrected time.

For any questions and detailed information please don't hesitate to contact *Alpermann+Velte*.