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Timing Traceability and the Link Between ISRO-NPLI

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Abstract: We present an algorithm for timescale prediction of IRNSS Network Time (IRNWT) using a GNSS link for daily exchange of data between Indian Space Research Organization and CSIR-NPL. A link between CSIR-NPL and IRNWT through Two Way Satellite Time and Frequency Transfer is also being established.

Keywords: Coordinated Universal Time (UTC); Global Navigation Satellite System (GNSS); Two-Way Satellite Time and Frequency Transfer (TWSTFT)