

Press Release

SynchroStream

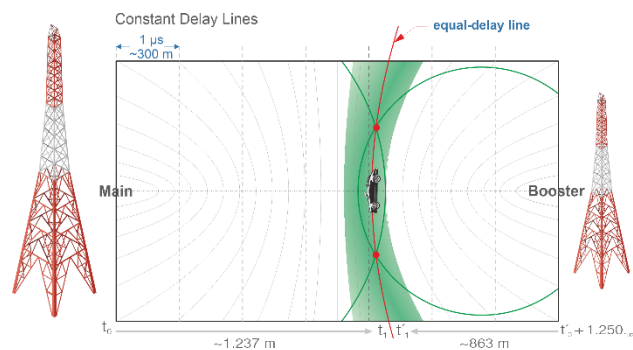
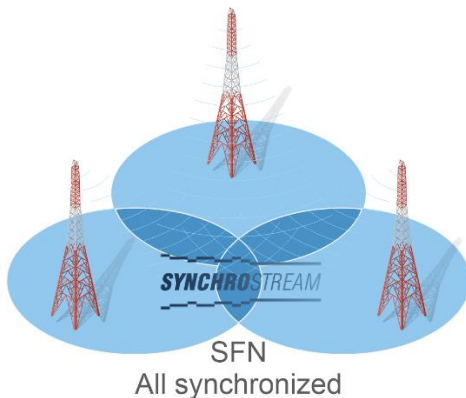
SFN (Single Frequency Network) Technology for FM launched by WorldCast Systems

February 2021 - WorldCast Systems have today officially launched their [SynchroStream](#) technology for the APT Codec Range with the release of SR 4.0. The company states that with the release of SynchroStream they will become the only manufacturer in the world to offer a “single pane of glass” in [SFN deployment](#) with the transport (APT Codecs), transmission (Ecreso FM), measurement (Audemat FMMC5) and monitoring (Kybio Software) all available from WorldCast.

The SynchroStream technology and the “single pane of glass” approach benefits the broadcaster in hugely simplifying the setup, configuration and maintenance of a solid and stable SFN network. SynchroStream is compatible with baseband audio coding and the existing MPX/Composite linear coding schemes and also the new APTmpX algorithm, the world’s first non-destructive MPX/Composite algorithm, also part of the new SR 4.0.

SynchroStream is supplied on the existing APT IP Codec range and utilizes an externally supplied 10MHz clock and the 1pps GPS signal as time reference. WorldCast offers an “a la carte” approach to SynchroStream from the “single pane of glass” to just the APT Codecs to be used as the transport to an OEM FM Transmitter also supporting SFN on a 10MHz input.

BETA network deployments in NZ and the USA have verified bench test results which calculated that the granularity offered in allowing fixed line adjustments down to an eighth of a microsecond - (125 nanoseconds) would allow the highly accurate (<50 Meters) manipulation of the “mush zone”. In the real world this means that engineers can push the almost non-existent mush zone away from populated areas or transport corridors. This manipulation translates to better coverage within the SFN FM area, consisting of main FM transmitter and FM Boosters, meaning potentially more listeners for your station!



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About WorldCast Systems - WorldCast Systems is a leading solution provider for media and broadcast, backed by over 60 years of experience in radio & TV broadcast. With its industry-leading brands Ecreso, APT, Audemat, and NMS solution KYBIO, WorldCast Systems cover the entire broadcast chain from field contribution, to audio/video distribution over IP, FM transmission, RDS encoding, signal measurement, telemetry, antenna management, and remote monitoring and control. WorldCast Systems is a part of WorldCast Group. Headquartered in Bordeaux, France, and with offices in the UK, the US, and Malaysia, the group generates more than 85% of its turnover internationally. Visit www.worldcastsystems.com and follow us on [LinkedIn](#), [Facebook](#), [Twitter](#), [Instagram](#), and [YouTube](#). Press contact: Chantal Fourgeaud, Director of Marketing Communications, c.fourgeaud@worldcast.group