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People centered systems interoperability <https://kynx.us>



## Multilingual Translation Delivery for large event spaces, e.g. covered stadiums

Translation Delivery of e.g. 5 languages using translation radios which are rented. Their signal can be boosted for adequate coverage. Also a few FM Radio frequencies may be available depending on location. An FM HD-Radio digital channel may be available, but suitable receivers would be needed by the audience. A prior survey and spectrum analysis is used for monitoring and assessing capabilities. This needs to be arranged in a timely manner to inform the potential audience of each language.

Translation delivery by mobile phones withing the traffic capacity of the venue. Also, the translation phone delivery service may have a limit of 10,000 calls (Erlangs).

Translation Delivery by ATSC 3 may be available to suitable TVs and mobiles. 5G Broadcast may be available to suitable mobiles.

Quality of delivery for broadcast is expected to reach 99.99%, but as the receivers may have issues, redundant technologies are desirable for the audience.

Experience in various events by Certified Broadcast Engineer and also Frequency Coordinator.

Coordination with Event Management is important so as to advise the audience.

Delivery of multilingual video streams is also available depending on venue capabilities in coordination with production contractors.

Management of audio level of house PA to enable acceptable listening levels for translation is accomplished by compressor/limiters of translation, monitoring of earphone level and of house sound level comparison. Live broadcast Station feed may be available if an interested Broadcaster is found by the Event Management.

Pricing; \$US 12,000 per 24 hour or \$US 400/hour + expenses whichever is the lesser. Dedicated receivers provided but not returned would be charged at new price. Rental of isolation booths may be another vendor.

Availability in USA and other secure countries in coordination with National Telecommunications Regulatory Authority as arranged in a timely manner.

*Franklin W. BELL* President & CTO