

RECOMMENDATION ITU-R F.519*

SINGLE-CHANNEL DUPLEX ARQ TELEGRAPH SYSTEM

(1978)

The ITU Radiocommunication Assembly,

considering

(a) that nowadays, multiplex systems with error correction by automatic repetition (ARQ), are frequently used in the transmission of telegraph signals over radio circuits; the characteristics of such ARQ systems are laid down in Recommendation ITU-R F.342;

(b) that where the volume of traffic does not justify the use of more than one channel, a single-channel ARQ system seems appropriate,

recommends

that the systems based on the principles laid down in Recommendation ITU-R F.342, Annex I, §§ 1, 2, 4, 7**, 8*** and 9, where they apply to single-channel operation, are considered appropriate for application to single-channel duplex ARQ telegraph systems.

* Radiocommunication Study Group 9 made editorial amendments to this Recommendation in 2000 in accordance with Resolution ITU-R 44.

** For the purpose of this Recommendation, Recommendation ITU-R F.342, § 7.1.2, Annex I, should be read as: “after appropriate counts of A and Z elements . . .”.

*** For the purpose of this Recommendation, modulation rates of 48, 72 and 96 bauds with transmission cycles of 145 5/6, 97 2/9 and 72 11/12 ms apply respectively.