

RECOMMENDATION ITU-R F.745-1

**Certain ITU-R Recommendations for analogue radio-relay systems,
including those which have been deleted**

(1991-2002)

The ITU Radiocommunication Assembly,

considering

- a) that in accordance with Resolution ITU-R 44 (Istanbul, 2000), certain ITU-R Recommendations dealing with analogue radio-relay systems have been updated and now could be deleted according to Resolution ITU-R 1;
- b) that in some cases it may be necessary to refer to ex-Recommendations for analogue radio-relay systems which have been deleted;
- c) that former CCIR Volume IX – Part 1, of the XVIIth Plenary Assembly (Düsseldorf, 1990) was published,

recommends

- 1** that former CCIR Volume IX – Part 1, of the XVIIth Plenary Assembly (Düsseldorf, 1990) should be referred to for ex-ITU-R Recommendations dealing with analogue radio-relay systems, which have been deleted.

ANNEX 1

**List of ITU-R Recommendations for analogue radio-relay systems,
including those which have been deleted****1 Hypothetical reference circuit**

Recommendation ITU-R F.390	Definitions of terms and references concerning hypothetical reference circuits and hypothetical reference digital paths for radio-relay systems
Ex-Recommendation ITU-R F.391	Hypothetical reference circuit for radio-relay systems for telephony using frequency-division multiplex with a capacity of 12 to 60 telephone channels
Recommendation ITU-R F.392	Hypothetical reference circuit for radio-relay systems for telephony using frequency-division multiplex with a capacity of more than 60 telephone channels

2 Allowable noise power and availability

Recommendation ITU-R F.393	Allowable noise power in the hypothetical reference circuit for radio-relay systems for telephony using frequency-division multiplex
Ex-Recommendation ITU-R F.395-2	Noise in the radio portion of circuits to be established over real radio-relay links for FDM telephony
Recommendation ITU-R F.555	Permissible noise in the hypothetical reference circuit of radio-relay systems for television
Recommendation ITU-R F.557	Availability objective for radio-relay systems over a hypothetical reference circuit and a hypothetical reference digital path

3 Radio-frequency channel arrangements

Recommendation ITU-R F.701	Radio-frequency channel arrangements for analogue and digital point-to-multipoint radio systems operating in frequency bands in the range 1 350-2 690 GHz (1.5, 1.8, 2.0, 2.2, 2.4 and 2.6 GHz)
Recommendation ITU-R F.283	Radio-frequency channel arrangements for low and medium capacity analogue or digital radio-relay systems operating in the 2 GHz band
Recommendation ITU-R F.382	Radio-frequency channel arrangements for radio-relay systems operating in the 2 and 4 GHz bands
Recommendation ITU-R F.383	Radio-frequency channel arrangements for high capacity radio-relay systems operating in the lower 6 GHz band
Recommendation ITU-R F.384	Radio-frequency channel arrangements for medium and high capacity analogue or digital radio-relay systems operating in the upper 6 GHz band
Recommendation ITU-R F.385	Radio-frequency channel arrangements for radio-relay systems operating in the 7 GHz band
Recommendation ITU-R F.386	Radio-frequency channel arrangements for medium and high capacity analogue or digital radio-relay systems operating in the 8 GHz band
Recommendation ITU-R F.387	Radio-frequency channel arrangements for radio-relay systems operating in the 11 GHz band
Recommendation ITU-R F.497	Radio-frequency channel arrangements for radio-relay systems operating in the 13 GHz frequency band

- Recommendation ITU-R F.637 Radio-frequency channel arrangements for radio-relay systems operating in the 23 GHz band
- Ex-Recommendation ITU-R F.389-2 Preferred characteristics of auxiliary radio-relay systems operating in the 2, 4, 6 or 11 GHz bands

4 Characteristics at radio, intermediate and baseband frequencies

- Recommendation ITU-R F.699 Reference radiation patterns for line-of-sight radio-relay system antennas for use in coordination studies and interference assessment in the frequency range from 1 GHz to about 70 GHz
- Ex-Recommendation ITU-R F.306 Procedure for the international connection of radio-relay systems with different characteristics
- Ex-Recommendation ITU-R F.268-1 Interconnection at audio frequencies of radio-relay systems for telephony
- Ex-Recommendation ITU-R F.380-4 Interconnection at baseband frequencies of radio-relay systems for telephony using frequency-division multiplex
- Ex-Recommendation ITU-R F.381-2 Conditions relating to line regulating and other pilots and to limits for the residues of signals outside the baseband in the interconnection of radio-relay and line systems for telephony
- Ex-Recommendation ITU-R F.270-2 Interconnection at video signal frequencies of radio-relay systems for television
- Ex-Recommendation ITU-R F.463-1 Limits for the residues of signals outside the baseband of radio-relay systems for television
- Ex-Recommendation ITU-R F.402-2 The preferred characteristics of a single sound channel simultaneously transmitted with a television signal on an analogue radio-relay system
- Ex-Recommendation ITU-R F.275-3 Pre-emphasis characteristic for frequency modulation radio-relay systems for telephony using frequency-division multiplex
- Ex-Recommendation ITU-R F.404-2 Frequency deviation for analogue radio-relay systems for telephony using frequency-division multiplex
- Ex-Recommendation ITU-R F.405-1 Pre-emphasis characteristics for frequency modulation radio-relay systems for television

Ex-Recommendation ITU-R F.276-2 Frequency deviation and the sense of modulation for analogue radio-relay systems for television

Ex-Recommendation ITU-R F.403-3 Intermediate frequency characteristics for the interconnection of analogue radio-relay systems

5 Maintenance

Ex-Recommendation ITU-R F.290-3 Maintenance measurements on radio-relay systems for telephony using frequency-division multiplex

Ex-Recommendation ITU-R F.305 Stand-by arrangements for radio-relay systems for television and telephony

Ex-Recommendation ITU-R F.401-2 Frequencies and deviations of continuity pilots for frequency modulation radio-relay systems for television and telephony

Ex-Recommendation ITU-R F.444-3 Preferred characteristics for multi-line switching arrangements of analogue radio-relay systems

Ex-Recommendation ITU-R F.398-3 Measurements of noise in actual traffic over radio-relay systems for telephony using frequency-division multiplex

Ex-Recommendation ITU-R F.399-3 Measurement of noise using a continuous uniform spectrum signal on frequency-division multiplex telephony radio-relay systems

Ex-Recommendation ITU-R F.400-2 Service channels to be provided for the operation and maintenance of radio-relay systems

6 Trans-horizon radio-relay systems

Ex-Recommendation ITU-R F.396-1 Hypothetical reference circuit for trans-horizon radio-relay systems for telephony using frequency-division multiplex

Ex-Recommendation ITU-R F.397-3 Allowable noise power in the hypothetical reference circuit of trans-horizon radio-relay systems for telephony using frequency-division multiplex

Ex-Recommendation ITU-R F.593 Noise in real circuits of multi-channel trans-horizon FM radio-relay systems of less than 2 500 km

Recommendation ITU-R F.698 Preferred frequency bands for trans-horizon radio-relay systems

Ex-Recommendation ITU-R F.388 Radio-frequency channel arrangements for transhorizon radio-relay systems

Recommendation ITU-R F.302 Limitation of interference from trans-horizon radio-relay systems

NOTE 1 – Some of the above Recommendations deal with digital as well as analogue radio-relay systems.

NOTE 2 – Recommendations relating to frequency sharing between analogue radio-relay systems and space radiocommunication systems are not listed in this Annex.



