



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**R.91**

**TELEGRAPHY**

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**GENERAL MAINTENANCE ASPECTS FOR  
THE MARITIME SATELLITE TELEX SERVICE**

**ITU-T Recommendation R.91**

(Extract from the *Blue Book*)

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## NOTES

1 ITU-T Recommendation R.91 was published in Fascicle VII.1 of the *Blue Book*. This file is an extract from the *Blue Book*. While the presentation and layout of the text might be slightly different from the *Blue Book* version, the contents of the file are identical to the *Blue Book* version and copyright conditions remain unchanged (see below).

2 In this Recommendation, the expression “Administration” is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

## Recommendation R.91

### GENERAL MAINTENANCE ASPECTS FOR THE MARITIME SATELLITE TELEX SERVICE

(Malaga-Torremolinos, 1984)

The CCITT,

*considering*

(a) that it is desirable to define the relationship between the maintenance organizations for the international telex service and the maritime satellite telex service;

(b) that it is advantageous that the maintenance procedures used in the maritime satellite telex service are similar to those used in the international telex service;

(c) that, from a maintenance and transmission point of view, the maritime satellite system may be regarded as analogous to a national network and the ship earth stations as somewhat analogous to subscriber terminals within that network;

(d) that the ship earth stations are connected to a coast earth station on a demand assignment basis and, therefore, the coast earth station may not have the direct responsibility for the maintenance of a particular ship earth station all the time;

(e) that the required staff and facilities may not be available at a ship earth station for maintenance purposes,

*unanimously recommends*

that the maintenance of telex circuits in the maritime satellite service should be based on the following principles:

**1** The principles and methods for the maintenance of telegraph circuits contained in the Series R, Recommendations should be followed.

**2** The coast earth stations or the associated telex switching centre should act as a control station for the maritime satellite telex circuits as defined in Recommendation R.71.

**3** Similar principles as those defined in Recommendation M.1110 for the cooperation between maintenance elements of the INMARSAT system and the international telephone network should also apply to the INMARSAT system and the international telex network. The overall maintenance organization of the INMARSAT system is described in Recommendation M.1110.

**4** The coast earth stations or the associated telex switching centres should act as STCs (switching and testing centres) as defined in Recommendation R.90 for access by ship earth stations for the purpose of fault reporting and testing.

4.1 The ship earth stations would access the STC at a coast earth station or its associated telex switching centre by using the telex access code 33 (technical assistance) as defined in Recommendation F.121.

4.2 Automatic test equipment at the STC is to be accessed by the telex access code 91 (automatic test line) as defined in Recommendation F.121.

*Note* – In the first generation INMARSAT system the test access will be to a termination which returns the “QUICK BROWN FOX . . .” sequence.

**5** In order to facilitate end-to-end testing of telex connections without involving a ship earth station, the maritime test terminal required by INMARSAT to be associated with each coast earth station should be used.

The description of the maritime test terminal and its capabilities is given in Recommendation M.1100.