

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 710/I

GRAPHICAL SYMBOLS FOR USE ON DETAILED MAPS,
PLANS AND GEOLOGICAL CROSS SECTIONS

PART I : GENERAL RULES OF REPRESENTATION

1st EDITION

April 1968

COPYRIGHT RESERVED

The copyright of ISO Recommendations and ISO Standards belongs to ISO Member Bodies. Reproduction of these documents, in any country, may be authorized therefore only by the national standards organization of that country, being a member of ISO.

For each individual country the only valid standard is the national standard of that country.

Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

BRIEF HISTORY

The ISO Recommendation R 710/I, *Graphical symbols for use on detailed maps, plans and geological cross sections – Part I : General rules of representation*, was drawn up by Technical Committee ISO/TC 82, *Mining*, the Secretariat of which is held by the Deutscher Normenausschuss (DNA).

Work on this question by the Technical Committee began in 1959 and led, in 1963, to the adoption of a Draft ISO Recommendation.

In January 1965, this Draft ISO Recommendation (No. 730) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Belgium	India	Spain
Brazil	Italy	South Africa,
Chile	Japan	Rep. of
Czechoslovakia	Korea, Rep. of	Sweden
France	Netherlands	Turkey
Germany	New Zealand	U.A.R.
Greece	Poland	U.S.S.R.
Hungary	Portugal	

One Member Body opposed the approval of the Draft :

Yugoslavia

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council which decided, in April 1968, to accept it as an ISO RECOMMENDATION.

GRAPHICAL SYMBOLS FOR USE ON DETAILED MAPS, PLANS AND GEOLOGICAL CROSS SECTIONS

PART I : GENERAL RULES OF REPRESENTATION

FOREWORD

In many spheres of technology, science and economics, data on the geological formations and structure of the earth's crust are indispensable. Often, this information is given in the form of maps and plans annotated by conventional symbols.

Until the present time, different symbols have been used, not only from country to country, but often for various fields of application within the same country, the result being entirely different representations of the same facts or geological data. Under these circumstances, it has become necessary to eliminate these differences as far as possible and to reach some agreement on the use of a standard set of symbols and ornaments, so that maps and plans can be understood in the same way in all countries and in all languages.

1. SCOPE

- 1.1 This ISO Recommendation is intended to give general rules for the representation of rocks and minerals on maps, plans and detailed geological cross-sections.
- 1.2 Other ISO Recommendations will contain the symbols for rocks and minerals, so that the complete study will cover the following items :

- Part I - General rules of representation;
- Part II - Representation of sedimentary rocks;
- Part III - Representation of magmatic rocks;
- Part IV - Representation of metamorphic rocks;
- Part V - Representation of minerals.