



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

I.329/Q.1203

(09/97)

SERIES I: INTEGRATED SERVICES DIGITAL NETWORK

Overall network aspects and functions – Reference
models

SERIES Q: SWITCHING AND SIGNALLING Intelligent Network

Intelligent Network – Global functional plane architecture

ITU-T Recommendation I.329/Q.1203

(Previously CCITT Recommendation)

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For further details, please refer to ITU-T List of Recommendations.

ITU-T RECOMMENDATION I.329/Q.1203

INTELLIGENT NETWORK – GLOBAL FUNCTIONAL PLANE ARCHITECTURE

Summary

The Intelligent Network Conceptual Model (INCM) is an architectural concept for the creation and provisioning of telecommunication services. This Recommendation provides the generic architectural characteristics of the global functional plane. The global functional plane, as defined in Recommendation Q.1201 [1], is viewed as the proper location for the modular functionality from which services are to be constructed.

The global functional plane models network functionality from a global point of view. In the GFP, the IN-structured network is said to be viewed as a single entity in the GFP. In this plane, services and service features are redefined in terms of the broad network functions required to support them. These functions are neither service nor Service Feature (SF) specific and are referred to as Service Independent Building Blocks (SIB).

This Recommendation defines:

- the generic IN GFP model for all IN capability sets;
- the definition of service independent building blocks, including the specialized SIBs (e.g. basic call process);
- the use of global service logic to model services and service features.

Companion Recommendations include the Q.120x and Q.12x3 Recommendations.

Source

ITU-T Recommendation I.329/Q.1203 was revised by ITU-T Study Group 11 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on the 12th of September 1997.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the ITU. The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

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

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