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OF ITU

Q.1219
Supplement 1
(09/97)

SERIES Q: SWITCHING AND SIGNALLING

Intelligent Network

Intelligent Network user's guide: Supplement for IN CS-1

Supplement 1

ITU-T Recommendation Q.1219 – Supplement 1

(Previously CCITT Recommendation)

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SUPPLEMENT 1 TO

ITU-T RECOMMENDATION Q.1219

INTELLIGENT NETWORK USER'S GUIDE: SUPPLEMENT FOR IN CS-1

Summary

This is Recommendation Q.1219-Supplement – Intelligent Network User's Guide: Supplement for IN CS-1. This Recommendation is a supplement to Recommendation Q.1219 – Intelligent Network User's Guide for Capability Set 1 (1994). As a supplement, this Recommendation does not replace Recommendation Q.1219 (1994). Rather, this Recommendation contains supplementary information to be used in conjunction with Recommendation Q.1219 (1994). The intent of this Supplement is to present information to the user which focuses on the refinements which have been made to IN Capability Set 1 (IN CS-1).

The IN CS-1 Recommendations were significantly enhanced and refined during the period from 1993 to 1995. A new set of IN CS-1 Recommendations (1995) was created to replace the original IN CS-1 Recommendations (1993). The scope of IN CS-1 (1995) is the same as for IN CS-1 (1993). No additional capabilities have been added to IN CS-1. However, as a result of the refinement work, IN CS-1 (1995) is a mature set of implementable Recommendations.

This Recommendation Q.1219-Supplement should be used as a supplement to Recommendation Q.1219 (1994) Intelligent Network User's Guide. This Supplement describes the refinements made to the IN CS-1(1993) Recommendations and included in the ITU-T IN CS-1 (1995) Recommendations.

Source

Supplement 1 to ITU-T Recommendation Q.1219, was prepared by ITU-T Study Group 11 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on the 12th of September 1997.

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FOREWORD

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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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As of the date of approval of this Recommendation, the ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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Supplement 1 to Recommendation Q.1219

INTELLIGENT NETWORK USER'S GUIDE: SUPPLEMENT FOR IN CS-1

(Geneva, 1997)

0 Introduction

This is Recommendation Q.1219-Supplement – Intelligent Network User's Guide: Supplement for IN CS-1. This Recommendation is a supplement to Recommendation Q.1219 – Intelligent Network User's Guide for Capability Set 1 (1994). As a supplement, this Recommendation does not replace Recommendation Q.1219 (1994). Rather, this Recommendation contains supplementary information to be used in conjunction with Recommendation Q.1219 (1994). The intent of this Supplement is to present information to the user which focuses on the refinements which have been made to IN Capability Set 1 (IN CS-1).

The IN CS-1 Recommendations were significantly enhanced and refined during the period from 1993 to 1995. A new set of IN CS-1 Recommendations (1995) was created to replace the original IN CS-1 Recommendations (1993). The scope of IN CS-1 (1995) is the same as for IN CS-1 (1993). No additional capabilities have been added to IN CS-1. However, as a result of the refinement work, IN CS-1 (1995) is a mature set of implementable Recommendations.

Recommendation Q.1219-Supplement should be used as a supplement to Recommendation Q.1219 (1994) Intelligent Network User's Guide. This Supplement describes the refinements made to the IN CS-1 (1993) Recommendations and included in the IN CS-1 (1995) Recommendations. It is expected users will find the information contained in this Supplement to be a useful addition to the information already presented in Recommendation Q.1219 (1994).

No changes were made to the Q.120x General series of IN Recommendations and no changes were made to Recommendation Q.1211 as part of the IN CS-1 refinements. Modifications were made to other IN CS-1 Recommendations as well as to Recommendation Q.1290 (IN terminology).

0.1 Background of the IN CS-1 refinements effort

Intelligent network capability set 1 is the first standardized stage of the Intelligent Network (IN) as an architectural concept for the creation and provision of telecommunications services. The IN CS-1 Recommendations were published by the ITU-T in 1993, except for Recommendation Q.1219 which was published by the ITU-T in April 1994. IN CS-1 consists of the Recommendations listed in Table 1. This list is taken from Table 1/Q.1211 with the additional listing of Recommendation Q.1290. Users should be aware that the IN Service Plane was not developed as part of IN CS-1 and therefore Recommendation Q.1212 does not exist.

Table 1/Suppl. 1 to Rec. Q.1219 – IN CS-1 Recommendations

Recommendation	Title
Q.1211	Introduction to intelligent network capability set 1
Q.1212	Service Plane Recommendation (does not exist for IN CS-1)
Q.1213	Global functional plane for intelligent network CS-1
Q.1214	Distributed functional plane for intelligent network CS-1
Q.1215	Physical plane for intelligent network CS-1
Q.1218	Interface Recommendation for intelligent network CS-1
Q.1219	Intelligent network user's guide for capability set 1
Q.1290	Glossary of terms used in the definition of intelligent network

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An IN CS-1 refinement activity was started shortly after publication of the 1993 IN CS-1 Recommendations. The need for refinements based upon implementation experience was anticipated during the development of IN CS-1. The following quote from the summary of Recommendation Q.1211 (1993) illustrates the anticipation of a future revision:

"The CS-1 Recommendations (Q.121x-Series) form a useful basis for achieving implementation experience. As with any project of this size and complexity, it can be anticipated that there may be some difficulties in interworking the various implementations of IN CS-1 physical elements. In order that the IN objective for working in a multi-vendor environment may be fully achieved, the IN CS-1 Recommendations text may go through some future revision in the light of implementation experience."

The IN CS-1 refinements activity was completed with the approval of the 1995 IN CS-1 Recommendations by the ITU-T on May 12, 1995. Recommendation Q.1219-Supplement is published a year (or more) following the 1995 IN CS-1 Recommendations, just as Recommendation Q.1219 (1994) was published a year after the 1993 IN CS-1 Recommendations. The IN CS-1 Recommendations that were modified in 1995 are listed in Table 2.

Table 2/Suppl. 1 to Rec. Q.1219 – IN CS-1 Recommendations modified in 1995

Recommendation	Title
Q.1213	Global functional plane for intelligent network CS-1
Q.1214	Distributed functional plane for intelligent network CS-1
Q.1215	Physical plane for intelligent network CS-1
Q.1218	Interface Recommendation for intelligent network CS-1
Q.1219 (Supplement only)	Intelligent network user's guide: Supplement for IN CS-1
Q.1290	Glossary of terms used in the definition of intelligent network

0.2 Relationship of the Q.1219-Supplement to Recommendation Q.1219

Recommendation Q.1219-Supplement should be used in conjunction with Recommendation Q.1219 (1994). Together, these two Recommendations provide a complete User's Guide for IN Capability Set 1. This Recommendation Q.1219-Supplement provides a record of the differences between IN CS-1 (1993) and IN CS-1 (1995). It also reflects the major changes made to IN CS-1 as a result of the refinements effort. As much as possible, this Recommendation Q.1219-Supplement follows the outline of the original Recommendation Q.1219 (1994) with clarifying statements added as required.

0.3 Summary of this Recommendation Q.1219-Supplement

The IN CS-1 Recommendations were significantly enhanced and refined during the period from 1993 to 1995. A new set of IN CS-1 Recommendations (1995) was created to replace the original IN CS-1 Recommendations (1993). The scope of IN CS-1 (1995) is the same as for IN CS-1 (1993). No additional capabilities have been added to IN CS-1. IN CS-1 (1995) is a mature set of implementable Recommendations. This Recommendation Q.1219-Supplement is a supplement to Recommendation Q.1219 (1994) Intelligent Network User's Guide. This Supplement describes the refinements made to the IN CS-1 (1993) Recommendations and included in the IN CS-1 (1995) Recommendations.

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