



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**Q.708**

(03/93)

**SPECIFICATIONS OF  
SIGNALLING SYSTEM No. 7**

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**NUMBERING OF INTERNATIONAL  
SIGNALLING POINT CODES**

**ITU-T Recommendation Q.708**

(Previously "CCITT Recommendation")

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## FOREWORD

The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the International Telecommunication Union. 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, established the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

ITU-T Recommendation Q.708 was revised by the ITU-T Study Group XI (1988-1993) and was approved by the WTSC (Helsinki, March 1-12, 1993).

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## NOTES

1 As a consequence of a reform process within the International Telecommunication Union (ITU), the CCITT ceased to exist as of 28 February 1993. In its place, the ITU Telecommunication Standardization Sector (ITU-T) was created as of 1 March 1993. Similarly, in this reform process, the CCIR and the IFRB have been replaced by the Radiocommunication Sector.

In order not to delay publication of this Recommendation, no change has been made in the text to references containing the acronyms "CCITT, CCIR or IFRB" or their associated entities such as Plenary Assembly, Secretariat, etc. Future editions of this Recommendation will contain the proper terminology related to the new ITU structure.

2 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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## NUMBERING OF INTERNATIONAL SIGNALLING POINT CODES

(Málaga-Torremolinos 1984, modified at Helsinki, 1993)

### 1 Introduction

This Recommendation describes the numbering scheme of international signalling point codes for Signalling System No. 7 networks. The technical aspects of the signalling networks are specified in Recommendation Q.705.

The worldwide signalling network is structured into two functionally independent levels, namely the international and national levels. This structure makes possible a clear division of responsibility for signalling network management and allows numbering plans of signalling points of the international network and the different national networks to be independent of one another.

It is also noted that the point code is intended to be processed within the Message Transfer Part of each signalling point or signalling transfer point, so that there is no direct relationship to the telephone, data, or ISDN numbering.

### 2 Numbering of International Signalling Points

**2.1** A 14-bit binary code is used for the identification of signalling points.

**2.2** An international signalling point code (ISPC) should be assigned to each signalling point which belongs to the international signalling network. For some network environment, one physical network node may serve as more than one signalling point, and may therefore be assigned more than one signalling point code.

**2.3** All international signalling point codes (ISPC) should consist of three identification sub-fields as indicated in Figure 1. The sub-field of 3 bits (NML) should identify a world geographical zone. The sub-field of 8 bits (K-D) should identify a geographical area or network in a specific zone. The sub-field of 3 bits (CBA) should identify a signalling point in a specific geographical area or network. The combination of the first and second sub-fields could be regarded as a signalling area/network code (SANC).

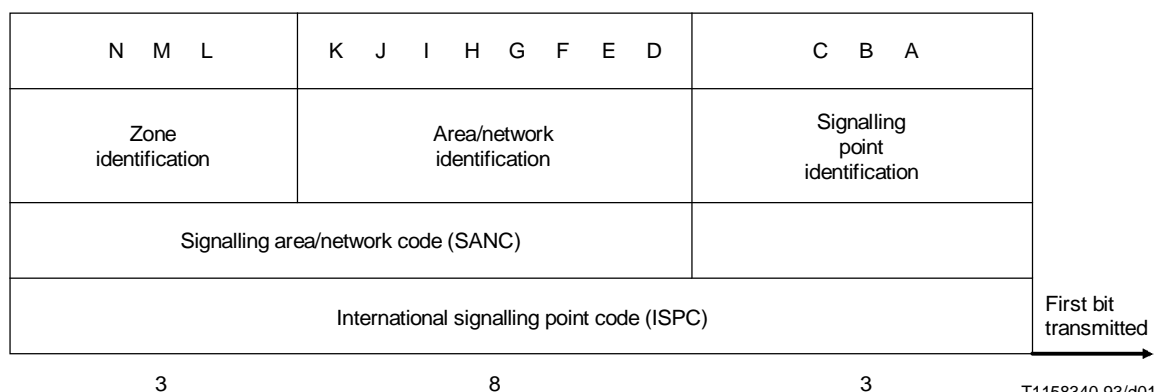


FIGURE 1/Q.708

**Format for international signalling point code (ISPC)**

**2.4** Each country (or geographical area) should be assigned at least one signalling area/network code (SANC).

**2.5** Two of the zone identifications, namely 0 and 1 codes, are reserved for future allocation.



**Zone 2 (cont.)**

| <i>Code</i>                                     | <i>Geographical Area or Signalling Network</i>   |
|---|--|
| 2-012 and 2-013                                 | Belgium  |
| 2-016 through 2-023                             | France   |
| 2-024   | Monaco   |
| 2-028 through 2-030                             | Spain  |
| 2-032   | Hungary (Republic of)  |
| 2-040   | Yugoslavia (Federal Republic of)   |
| 2-044 through 2-046                             | Italy  |
| 2-052   | Romania  |
| 2-056 and 2-057                                 | Switzerland (Confederation of)   |
| ---   | Czech Republic   |
| ---   | Slovak Republic  |
| 2-064 and 2-065                                 | Austria  |
| 2-068   | United Kingdom of Great Britain and Northern Ireland<br>(British Telecom)                    |
| 2-072   | United Kingdom of Great Britain and Northern Ireland<br>(Mercury Telecommunications Limited) |
| 2-076   | Denmark  |
| 2-080 through 2-083                             | Sweden   |
| 2-084 through 2-086                             | Norway   |
| 2-088 through 2-091                             | Finland  |
| 2-092   | Estonia (Republic of)  |
| ---   | Latvia (Republic of)   |
| 2-100   | Russian Federation   |
| 2-120   | Poland (Republic of)   |
| 2-036 through 2-039, and<br>2-124 through 2-131 | Germany (Federal Republic of)  |
| 2-132   | Gibraltar  |
| 2-136 through 2-138                             | Portugal   |
| 2-140   | Luxembourg   |
| 2-144   | Ireland  |
| 2-148   | Iceland  |
| 2-152   | Albania (Republic of)  |
| 2-156   | Malta  |
| 2-160   | Cyprus (Republic of)   |
| 2-168   | Bulgaria (Republic of)   |
| 2-172   | Turkey   |
| 2-180   | Croatia (Republic of)  |
| ---   | Slovenia (Republic of)   |
| 2-184   | San Marino   |

## **Zone 2 (cont.)**

| <i>Code</i> | <i>Geographical Area or Signalling Network</i>                   |
|-------------|--|
| 2-188       | United Kingdom of Great Britain and Northern Ireland (World Com) |
| 2-192       | Sweden (Fonetel)   |
| ---         | Lithuania (Republic of)  |
| ---         | Armenia (Republic of)  |
| ---         | Belarus (Republic of)  |
| ---         | Georgia (Republic of)  |
| ---         | Ukraine  |
| ---         | Bosnia and Herzegovina (Republic of)                             |
| ---         | The Former Yugoslav Rep. of Macedonia                            |
| ---         | Moldova (Republic of)  |

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Zone 2, Spare Codes: 224

## **Zone 3**

| <i>Code</i>            | <i>Geographical Area or Signalling Network</i> |
|------------------------|--|
| 3-004 through 3-012    | Canada   |
| 3-016                  | St. Pierre and Miquelon (French Department of) |
| 3-020 through 3-059    | United States of America                       |
| 3-060                  | Puerto Rico                                    |
| 3-064                  | Virgin Islands (USA)                           |
| 3-068, 3-069 and 3-070 | Mexico   |
| 3-076                  | Jamaica  |
| 3-080                  | French Antilles                                |
| 3-084                  | Barbados                                       |
| 3-088                  | Antigua and Barbuda                            |
| 3-092                  | Cayman Islands                                 |
| 3-096                  | British Virgin Islands                         |
| 3-100                  | Bermuda  |
| 3-104                  | Grenada  |
| 3-108                  | Montserrat                                     |
| 3-112                  | St. Kitts and Nevis                            |
| 3-116                  | St. Lucia                                      |
| 3-120                  | St. Vincent and the Grenadines                 |
| 3-124                  | Netherlands Antilles                           |



### **Zone 3 (cont.)**

| <i>Code</i> | <i>Geographical Area or Signalling Network</i> |
|-------------|--|
| 3-128       | Bahamas (Commonwealth of the)                  |
| 3-132       | Dominica (Commonwealth of)                     |
| 3-136       | Cuba   |
| 3-140       | Dominican Republic                             |
| 3-144       | Haiti (Republic of)                            |
| 3-148       | Trinidad and Tobago                            |
| 3-152       | Turks and Caicos Islands                       |
| 3-156       | Guadeloupe                                     |
| 3-160       | Martinique                                     |

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Zone 3, Spare Codes: 228

### **Zone 4**

| <i>Code</i>     | <i>Geographical Area or Signalling Network</i> |
|-----------------|--|
| 4-008           | India (Republic of)                            |
| 4-020           | Pakistan (Islamic Republic of)                 |
| 4-024           | Afghanistan (Islamic State of)                 |
| 4-026           | Sri Lanka (Democratic Socialist Republic of)   |
| 4-028           | Myanmar (Union of)                             |
| 4-030           | Lebanon  |
| 4-032           | Jordan (Hashemite Kingdom of)                  |
| 4-034           | Syrian Arab Republic                           |
| 4-036           | Iraq (Republic of)                             |
| 4-038           | Kuwait (State of)                              |
| 4-040           | Saudi Arabia (Kingdom of)                      |
| 4-042 and 4-046 | Yemen (Republic of)                            |
| 4-044           | Oman (Sultanate of)                            |
| 4-048           | United Arab Emirates                           |
| 4-050           | Israel (State of)                              |
| 4-052           | Bahrain (State of)                             |
| 4-054           | Qatar (State of)                               |
| 4-056           | Mongolia                                       |
| 4-058           | Nepal  |
| 4-060           | United Arab Emirates (Abu Dhabi)               |

#### **Zone 4 (cont.)**

| <i>Code</i>                     | <i>Geographical Area or Signalling Network</i> |
|---------------------------------|--|
| 4-062                           | United Arab Emirates (Dubai)                   |
| 4-064                           | Iran (Islamic Republic of)                     |
| ---                             | Azerbaijani Republic                           |
| ---                             | Uzbekistan (Republic of)                       |
| ---                             | Kazakhstan                                     |
| 4-080, 4-081 4-083<br>and 4-085 | Japan  |
| 4-100                           | Korea (Republic of) (Korea Telecom)            |
| 4-101                           | Korea (Republic of) (DACOM)                    |
| 4-104                           | Viet Nam (Socialist Republic of)               |
| 4-108                           | Hong Kong                                      |
| 4-110                           | Macao  |
| 4-112                           | Cambodia                                       |
| 4-114                           | Lao People's Democratic Republic               |
| 4-120                           | China (People's Republic of)                   |
| 4-135                           | Korea (Democratic People's Republic of)        |
| 4-140                           | Bangladesh (People's Republic of)              |
| 4-144                           | Maldives (Republic of)                         |

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Zone 4, Spare Codes: 223

#### **Zone 5**

| <i>Code</i>     | <i>Geographical Area or Signalling Network</i>       |
|-----------------|--|
| 5-004           | Malaysia   |
| 5-010 and 5-011 | Australia Telstra                                    |
| 5-016           | Australia Vodafone                                   |
| 5-019           | Australia OPTUS                                      |
| 5-020           | Indonesia (Republic of)                              |
| 5-030           | Philippines (Republic of)                            |
| 5-040           | Thailand   |
| 5-050           | Singapore (Republic of)                              |
| 5-056           | Brunei Darussalam                                    |
| 5-060           | New Zealand (Telecom Corporation of New Zealand Ltd) |
| 5-065           | New Zealand (Clear Communications Ltd)               |
| 5-070           | Guam   |

### **Zone 5 (cont.)**

| <i>Code</i> | <i>Geographical Area or Signalling Network</i> |
|-------------|--|
| 5-072       | Nauru (Republic of)                            |
| 5-074       | Papua New Guinea                               |
| 5-078       | Tonga (Kingdom of)                             |
| 5-080       | Solomon Islands                                |
| 5-082       | Vanatu (Republic of)                           |
| 5-084       | Fiji (Republic of)                             |
| 5-086       | Wallis and Futuna Islands                      |
| 5-088       | American Samoa                                 |
| 5-090       | Niue Island                                    |
| 5-092       | New Caledonia and Dependencies                 |
| 5-094       | French Polynesia                               |
| 5-096       | Cook Islands                                   |
| 5-098       | Western Samoa (Independent State of)           |
| 5-100       | Kiribati (Republic of)                         |
| 5-102       | Tuvalu   |

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Zone 5, Spare Codes: 232

### **Zone 6**

| <i>Code</i> | <i>Geographical Area or Signalling Network</i>    |
|-------------|---|
| 6-004       | Egypt (Arab Republic of)                          |
| 6-006       | Algeria (People's Democratic Republic of)         |
| 6-008       | Morocco (Kingdom of)                              |
| 6-010       | Tunisia   |
| 6-012       | Libya (Socialist People's Libyan Arab Jamahiriya) |
| 6-014       | Gambia (Republic of the)                          |
| 6-016       | Senegal (Republic of the)                         |
| 6-018       | Mauritania (Islamic Republic of)                  |
| 6-020       | Mali (Republic of)                                |
| 6-022       | Guinea (Republic of)                              |
| 6-024       | Côte d'Ivoire (Republic of the)                   |
| 6-026       | Burkina Faso                                      |
| 6-028       | Niger (Republic of the)                           |
| 6-030       | Togolese Republic                                 |

**Zone 6 (cont.)**

| <i>Code</i> | <i>Geographical Area or Signalling Network</i> |
|-------------|--|
| 6-032       | Benin (Republic of)                            |
| 6-034       | Mauritius (Republic of)                        |
| 6-036       | Liberia (Republic of)                          |
| 6-038       | Sierra Leone                                   |
| 6-040       | Ghana  |
| 6-042       | Nigeria (Federal Republic of)                  |
| 6-044       | Chad (Republic of)                             |
| 6-046       | Central African Republic                       |
| 6-048       | Cameroon (Republic of)                         |
| 6-050       | Cape Verde (Republic of)                       |
| 6-052       | Sao Tome and Principe (Democratic Republic of) |
| 6-054       | Equatorial Guinea (Republic of)                |
| 6-056       | Gabon Republic                                 |
| 6-058       | Congo (Republic of the)                        |
| 6-060       | Zaire (Republic of)                            |
| 6-062       | Angola (People's Republic of)                  |
| 6-064       | Guinea-Bissau (Republic of)                    |
| 6-066       | Seychelles (Republic of the)                   |
| 6-068       | Sudan (Republic of the)                        |
| 6-070       | Rwanda (Republic of)                           |
| 6-072       | Ethiopia                                       |
| 6-074       | Somali Democratic Republic                     |
| 6-076       | Republic of Djibouti                           |
| 6-078       | Kenya (Republic of)                            |
| 6-080       | Tanzania (United Republic of)                  |
| 6-082       | Uganda (Republic of)                           |
| 6-084       | Burundi (Republic of)                          |
| 6-086       | Mozambique (Republic of)                       |
| 6-090       | Zambia (Republic of)                           |
| 6-092       | Madagascar (Democratic Republic of)            |
| 6-094       | Reunion (French Department of)                 |
| 6-096       | Zimbabwe (Republic of)                         |
| 6-098       | Namibia (Republic of)                          |
| 6-100       | Malawi   |
| 6-102       | Lesotho (Kingdom of)                           |
| 6-104       | Botswana (Republic of)                         |

### **Zone 6 (cont.)**

| <i>Code</i> | <i>Geographical Area or Signalling Network</i> |
|-------------|--|
| 6-106       | Swaziland (Kingdom of)                         |
| 6-108       | Comoros (Islamic Federal Republic of the)      |
| 6-110       | South Africa (Republic of)                     |

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Zone 6, Spare Codes: 203

### **Zone 7**

| <i>Code</i> | <i>Geographical Area or Signalling Network</i> |
|-------------|--|
| 7-004       | Belize   |
| 7-008       | Guatemala (Republic of)                        |
| 7-012       | El Salvador (Republic of)                      |
| 7-016       | Honduras (Republic of)                         |
| 7-020       | Nicaragua                                      |
| 7-024       | Costa Rica                                     |
| 7-028       | Panama (Republic of)                           |
| 7-032       | Peru   |
| 7-044       | Argentine Republic                             |
| 7-048       | Brazil (Federative Republic of)                |
| 7-060       | Chile  |
| 7-064       | Colombia (Republic of)                         |
| 7-068       | Venezuela (Republic of)                        |
| 7-072       | Bolivia (Republic of)                          |
| 7-076       | Guyana   |
| 7-080       | Ecuador  |
| 7-084       | Guiana (French Department of)                  |
| 7-088       | Paraguay (Republic of)                         |
| 7-092       | Suriname (Republic of)                         |
| 7-096       | Uruguay (Eastern Republic of)                  |

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Zone 7, Spare Codes: 236