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Regulations on numbering resources for electronic communications networks and services (Numbering Regulations).

Laid down by the Norwegian Post and Telecommunications Authority on 16 February 2004 in pursuance of Sections 7-1, 7-2, 7-3 and 10-3 of the Electronic Communications Act (Ecom Act) (No. 83) of 4 July 2003, cf. Crown Prince Regent's Decree (No. 881) of 4 July 2003 and Delegation Decision (No. 427) of 16 February 2004. Cf. EEA Agreement Annex XI (Directive 2002/20/EC, Directive 2002/21/EC, Directive 2002/22/EC) and Annex XIV (Directive 2002/77/EC).

Chapter I. Introductory provisions

Section 1. Purpose

The purpose of these regulations is:

- a) to ensure an efficient and resource-saving management of numbering resources for electronic communications networks and services, and
- b) to give providers of electronic communications networks and services necessary and equal access to numbering resources for the provision of electronic communications services.

Section 2. Subject scope

These regulations apply to the management, authorisation for use and use of numbering resources for electronic communications networks and services.

Section 3. Definitions and abbreviations

The following definitions and abbreviations apply in these regulations:

- a) *numbering resource*: generic term for numbers, number series, names and addresses, as laid down in Chapters III, IV, V, VI and VII,
- b) *number series*: an unbroken series of individual numbers of a specific length,
- c) *numbering plan*: structure for and disposition of numbering resources,
- d) *voluntary numbering plan*: a numbering plan which is recommended if numbering resources from such a numbering plan are used to offer access to electronic communications networks and services,
- e) *ITU*: the International Telecommunication Union,
- f) *ITU-T*: the ITU Telecommunication Standardization Sector,
- g) *ISO*: the International Organization for Standardization,
- h) *IEC*: the International Electrotechnical Commission,
- i) *X.121 international data number*: global unique address information for a terminal in a data network, consisting of an identification of the data network and a terminal number within that data network, not exceeding 14 digits, in accordance with ITU-T Recommendation X.121,
- j) *terminal number (Network Terminal Number NTN)*: identification of a terminal within a particular data network, not exceeding 10 digits, in accordance with ITU-T Recommendation X.121,
- k) *DNIC (Data Network Identification Code)*: the first four digits in an X.121 international data number, identifying one or more data networks, and
- l) *PNIC (Private Network Identification Code)*: a code not exceeding six digits which follows a particular DNIC in an X.121 international data number.

Chapter II. General provisions

Section 4. Responsibility for the administration of numbering resources

The Norwegian Post and Telecommunications Authority determines and administers national numbering plans for electronic communications networks and services.

Section 5. Authorisation and use of numbering resources from mandatory numbering plans

The use of numbering resources from mandatory numbering plans, cf. Chapters III, IV, V and VI, requires authorisation from the Norwegian Post and

Telecommunications Authority. Providers of electronic communications networks and services, or end users may obtain such authorisation. Mandatory numbering plans must be followed if numbering resources from these plans are used in order to offer access to electronic communications networks and services.

Numbering resources must be used in an efficient and resource-saving way.

Section 6. Requirements as to information from applicants

The Norwegian Post and Telecommunications Authority may set requirements as to what information an application for numbering resources must contain. Such information may include, among other things:

- a) the applicant's name, address and organisation number, and the name, telephone number and e-mail address of the person to contact,
- b) the desired numbering resource,
- c) a description of the service for which the numbering resource is to be used,
- d) documentation of resource needs,
- e) the planned date for the commencement of the service, and
- f) the operator code to which the desired numbering resource is to be assigned.

Section 7. Processing time for the authorisation for use of numbers from mandatory numbering plans

The Norwegian Post and Telecommunications Authority shall determine and publish administrative decisions on the authorisation for the use of numbers which have already been reserved in the numbering plan for specific purposes as soon as possible and no later than three weeks after a correct and complete application has been received. The processing time for authorisation for the use of numbers which are decided by auction or other similar methods may be extended by a further three weeks.

Section 8. Considerations when granting authorisation for the use of numbering resources

When processing applications for authorisation for the use of numbering resources, the Norwegian Post and Telecommunications Authority may take into consideration, among other things, the following factors:

- a) the efficient and resource-saving use of the numbering resources,
- b) the need for sufficient numbering resources available in the short and long term,
- c) the requirements and wishes of the applicant, the end users and other affected parties,
- d) any costs incurred by the applicant, other providers of electronic communications networks and services, end users and other affected parties,
- e) utilization of numbering resources which have previously been authorised for use by the applicant for corresponding purposes,

- f) the applicant's compliance with conditions attached by the Norwegian Post and Telecommunications Authority to previous authorisations for use of numbering resources,
- g) relevant recommendations, standards or agreements.

Section 9. Attachment of conditions when granting authorisation for the use of numbering resources from mandatory numbering plans

The Norwegian Post and Telecommunications Authority may attach conditions when granting authorisation for the use of numbering resources.

For authorisation for the use of numbers, only the following conditions may be attached:

- a) time limits on the authorisation. The duration may nonetheless be reduced if the numbering plan is changed,
- b) requirements as to what service the number and number series shall be used for, including requirements as to the provision of the service,
- c) binding offers made by service providers under competitive or similar selection procedures,
- d) obligations in accordance with relevant international agreements on the use of numbers,
- e) requirements as to the actual and effective use of numbers and number series, including a deadline for bringing numbers or the number series into use, and
- f) operator codes to be used together with numbers in the numbering plan for telephony etc. (E.164).

Section 10. Transfer and return of numbering resources

The transfer of numbering resources from mandatory numbering plans requires permission from the Norwegian Post and Telecommunications Authority. The Norwegian Post and Telecommunications Authority may attach conditions to such transfers.

Upon the cessation of activities, numbering resources shall be returned to the Norwegian Post and Telecommunications Authority, unless instructions are given in accordance with Section 24.

Section 11. Changes in information on the service provider or end user

Changes in information on the provider or end user given in the application or later shall be notified to the Norwegian Post and Telecommunications Authority as soon as possible.

Section 12. Withdrawal of exclusive numbering resources

The Norwegian Post and Telecommunications Authority may withdraw numbering resources if these are exclusive to service providers or end users. A numbering resource is exclusive if others do not have equal access to equivalent numbering resources.

Section 13. Reporting to the Norwegian Post and Telecommunications Authority

Providers of electronic communications networks and services who have been granted authorisation for the use of numbering resources from mandatory numbering plans may be instructed to submit an annual report to the Norwegian Post and Telecommunications Authority showing the use made of the numbering resources. If special considerations so require, the Norwegian Post and Telecommunications Authority may instruct service providers to submit more frequent reports.

Section 14. Publicly available information

The Norwegian Post and Telecommunications Authority shall publish numbering plans, authorisations and changes in authorisations in an appropriate way.

Section 15. Changes in numbering plans

If the Norwegian Post and Telecommunications Authority finds it necessary to change a numbering plan, all service providers who have authorisation for the use of numbering resources from the numbering plan shall make the necessary changes to their systems within a reasonable time limit. Changes in numbering plans may be made in order to, among other things:

- a) have sufficient numbering resources available in the short and long term,
- b) reserve numbering resources for other purposes,
- c) reorganization of numbering resources.

Service providers shall provide necessary information and organise things so that the transition causes as little trouble as possible to their end users.

Chapter III. Numbering plan for telephony etc. (E.164)

Section 16. General numbering plan

The Norwegian Post and Telecommunications Authority determines and administers the numbering plan for telephony etc. (E.164). The administration is carried out in accordance with ITU-T Recommendation E.164. The Norwegian Post and Telecommunications Authority may grant authorisation for the use of number series and individual numbers under the country code 47, allocated by the ITU.

The numbering plan for telephony etc. (E.164) is mandatory and has the following structure:

00	International prefix
01	Reserved for future changes in the numbering plan
02000 - 09999	5-digit non-geographic numbers
100 - 189	Standardised special numbers
190 - 199	Service provider-specific special numbers
20 00 00 00 - 39 99 99 99	8-digit geographic numbers
400 00 000 - 499 99 999	8-digit numbers for land mobile services
50 00 00 00 - 79 99 99 99	8-digit geographic numbers
800 00 000 - 899 99 999	8-digit non-geographic numbers
900 00 000 - 999 99 999	8-digit numbers for land mobile services

Section 17. International calls

Calls to foreign networks and services with country codes allocated by the ITU shall be able to be made by using the international prefix 00.

Providers of electronic communications networks and services shall ensure that all types of calls from end users connected to the European telephony area terminate correctly. This obligation does not apply to calls to non-geographic numbers if this is technically or economically unviable for the service provider.

Providers of electronic communications networks and services shall be able to convey calls to numbers in the European number series +3883 (European Telephony Numbering Space).

Section 18. Emergency numbers

All service providers shall ensure that calls to emergency services can be made by using the special numbers 110, 112, 113. The same applies to calls to the special number 1412, the emergency number for textphone users.

The Norwegian Post and Telecommunications Authority may stipulate other numbers to be used for calls to various types of emergency service.

Section 19. Authorisation and use of 8-digit numbers

The Norwegian Post and Telecommunications Authority may grant authorisation for the use of 8-digit number series to providers of public electronic communications networks and services on application. Providers allocate 8-digit numbers to end users and other service providers.

Providers of public electronic communications networks and services cannot withdraw a number being used by an end user without a special reason. Such reasons may be, for example:

- a) the service in question to the end user has ceased,

- b) changes are required in the service provider's internal numbering plan,
- c) amendments to laws or regulations or instructions issued by the Norwegian Post and Telecommunications Authority which render withdrawal necessary, or
- d) changes in E.164.

Section 20. Authorisation and use of standardised special numbers (100-189)

The Norwegian Post and Telecommunications Authority may grant authorisation for the use of standardised special numbers for special purposes on application.

The standardised special numbers shall be used mainly for two purposes:

- a) national services of major social significance, and
- b) services which are closely linked to the public telephone service and which contribute to enhancing and developing it for the good of end users.

Section 21. Service provider-specific special numbers

The number series 190-199 is reserved for use for service provider-specific special numbers. Providers of public telephone services may use this number series for self-defined services. End users may not be granted authorisation for the use of such numbers. Service provider-specific numbers may have different lengths.

Section 22. Authorisation and use of 5-digit non-geographic numbers (02000-09999)

The Norwegian Post and Telecommunications Authority may grant authorisation for the use of such numbers to end users on application. The number series is divided into two main categories:

- a) 5-digit numbers for non-commercial purposes of social significance, and
- b) 5-digit numbers for other purposes.

Non-commercial purposes of a public utility nature include, among other things:

- a) national helplines,
- b) national public services,
- c) national numbers for humanitarian/non-profit organisations,
- d) common national numbers for public casualty clinics, hospitals, police or similar for use in non-emergency situations.

The 5-digit non-geographic numbers are placed in various price categories by the Norwegian Post and Telecommunications Authority depending on the number's presumed market value. For each of the price categories an annual sum is set which the end user concerned must pay for the right to the authorisation.

Authorisation for the use of 5-digit numbers for non-commercial purposes of a public utility nature shall only be made from numbers in the lowest price category. No end user or group may have use of more than three such numbers.

Section 23. Reporting to the Norwegian Post and Telecommunications Authority

Providers of electronic communications networks and services who have been granted authorisation for the use of 8-digit number series by the Norwegian Post and Telecommunications Authority shall by 1 February each year submit a report to the Norwegian Post and Telecommunications Authority providing an overview of the use made of the number series.

For each number series the report shall contain, among other things, the following information:

- a) distribution of number series among various services, charges, etc.,
- b) percentage share of numbers in active use,
- c) percentage share of numbers which are reserved but not in active use,
- d) percentage share of numbers which have been ported to other service providers,
- e) number of numbers which have been ported from other service providers,
- f) percentage share of numbers which are available
- g) any reallocation of number series to other service providers, and
- h) forecast of the utilisation of the number series for each of the next three years.

Section 24. Transfer and cessation

If important considerations so dictate and more than 50% of the numbers in a number series have been ported out to other providers of public electronic communications services, the Norwegian Post and Telecommunications Authority may transfer the number series to the service provider who has the most numbers ported in from the number series.

Upon the cessation of activities, unused numbers and number series shall be returned to the Norwegian Post and Telecommunications Authority. Upon the cessation of activities which control number series from which numbers have been ported out, the Norwegian Post and Telecommunications Authority may instruct other service providers who have ported in numbers to take over the whole number series.

Chapter IV. Numbering plan for service provider codes for service provider portability

Section 25. Operator codes for service provider portability

The Norwegian Post and Telecommunications Authority determines and administers the numbering plan for operator codes for service provider portability. Providers who dispose of numbers in a numbering plan for telephony etc. (E.164) may be granted authorisation for the use of service provider codes.

Numbering plans for service provider codes are mandatory and have the following structure:

000 - 899 Identification of donor and recipient provider, and

900 - 999 Provider-specific codes.

Chapter V. Numbering plan for data networks (X.121)

Section 26. Authorisation and use of DNIC and PNIC

The Norwegian Post and Telecommunications Authority determines and administers the numbering plan for data networks in accordance with ITU-T Recommendation X.121. The numbering plan is mandatory. The Norwegian Post and Telecommunications Authority may grant authorisation for the use of DNICs and PNICs to providers of electronic communications networks and services on application.

Authorisation for the use of a DNIC may be granted to a service provider who has a data network which uses addresses in accordance with X.121 and who provides a data transfer service to the general public. The Norwegian Post and Telecommunications Authority may impose restrictions on what combinations of digits a service provider may use as the initial digits in terminal numbers (NTN) under the DNIC.

In order to ensure efficient utilisation of national X.121 resources, the Norwegian Post and Telecommunications Authority may require two or more service providers to share a DNIC. The service providers in question shall in such cases be given at least six months' prior notice.

Authorisation for the use of a PNIC may be granted to a service provider who has a data network which uses addresses in accordance with X.121 and who provides a data transfer service to a small group or for his own business. A PNIC normally comprises two or three digits in addition to the DNIC which the Norwegian Post and Telecommunications Authority sets aside for authorisation for use of PNICs.

A service provider who has been granted authorisation for the use of a DNIC or PNIC allocates terminal numbers to his end users under the DNIC or PNIC the service provider has been granted authorisation for by the Norwegian Post and Telecommunications Authority, subject to any restrictions which the Norwegian Post and Telecommunications Authority may have imposed with regard to the initial digits of the terminal number.

Section 27. Use of foreign DNICs and PNICs in Norway

Providers of electronic communications networks and services in Norway may use a DNIC or PNIC which has been allocated by another country's authorities or by the ITU.

The Norwegian Post and Telecommunications Authority may reject an application for a Norwegian DNIC or PNIC for service providers who have a DNIC or PNIC allocated by another country's authorities or by the ITU.

Section 28. Interconnection

Providers of electronic communications networks and services who have been granted authorisation for the use of a DNIC by the Norwegian Post and Telecommunications Authority are obliged within six months after the granting of the authorisation to establish contractually regulated interconnection with at least one other service provider with a DNIC.

Providers of electronic communications networks and services who have been granted authorisation for the use of a PNIC by the Norwegian Post and Telecommunications Authority are obliged within six months after the granting of the authorisation to establish contractually regulated interconnection with at least one other service provider with a DNIC or PNIC.

If interconnection is not established within six months, the Norwegian Post and Telecommunications Authority may withdraw the service provider's authorisation to use the DNIC or PNIC in question.

Chapter VI. Other mandatory numbering plans

Section 29. Numbering plan for identification of issuers of credit cards connected with electronic communications services (E.118)

The Norwegian Post and Telecommunications Authority determines and administers the numbering plan for the identification of issuers of credit cards connected with electronic communications services in accordance with ITU-T Recommendation E.118.

The Norwegian Post and Telecommunications Authority may grant authorisation for the use of issuer identifier numbers (IIN) for credit cards connected with electronic communications services in accordance with ITU-T Recommendation E.118.

Section 30. Numbering plan for ISDN networks with responsibility for identification of closed user groups (E.167)

The Norwegian Post and Telecommunications Authority determines and administers the numbering plan for ISDN networks with responsibility for the administration of closed user groups in accordance with ITU-T Recommendation E.167.

The Norwegian Post and Telecommunications Authority may grant authorisation for the use of ISDN network identification codes (INIC) for the identification of

networks where the service provider is responsible for the administration of closed user groups in accordance with ITU-T Recommendation E.167.

Section 31. Numbering plans for network identification codes connected with mobile networks and mobile services (E.212 and E.214)

The Norwegian Post and Telecommunications Authority determines and administers numbering plans for network codes connected with mobile networks and mobile services in accordance with ITU-T Recommendations E.212 and E.214.

The Norwegian Post and Telecommunications Authority may grant authorisation for the use of mobile network codes (MNC) for the identification of mobile terminals and mobile users in accordance with ITU-T Recommendation E.212 and in conformity with ETS 300 523. In addition, the Norwegian Post and Telecommunications Authority may grant authorisation for the use of network codes (NC) in accordance with ITU-T Recommendation E.214.

Section 32. Numbering plan for identification signals for ships (E.210)

Telenor ASA determines and administers the numbering plan for identification signals for ships (maritime mobile service identities, MMSI numbers) in accordance with the ITU's Radio Regulations, Article 25, Appendix 43, and ITU-T Recommendation E.210 by the authority of the Norwegian Post and Telecommunications Authority.

Telenor ASA allocates MMSI numbers intended for automatic traffic exchange between stations participating in the maritime mobile service.

Section 33. Allocation of user numbers for Inmarsat stations in Norway

Telenor ASA allocates user numbers for maritime and land mobile Inmarsat stations in Norway in accordance with ITU-T Recommendation E.215 by the authority of the Norwegian Post and Telecommunications Authority.

Section 34. Numbering plans for signalling point codes (Q.704 and Q.708)

The Norwegian Post and Telecommunications Authority determines and administers numbering plans for signalling point codes in accordance with ITU-T Recommendations Q.704 and Q.708.

The Norwegian Post and Telecommunications Authority may grant authorisation for the use of international signalling point codes (ISPC) in accordance with ITU-T Recommendations Q.704 and Q.708.

The Norwegian Post and Telecommunications Authority may grant authorisation for the use of national signalling point codes in accordance with ITU-T Recommendation Q.704.

Section 35. T.35 numbering plan

The Norwegian Post and Telecommunications Authority determines and administers the numbering plan for the identification of producers who implement non-standardised functions in telecommunications products in accordance with ITU-T Recommendation T.35.

The Norwegian Post and Telecommunications Authority may grant authorisation for the use of terminal provider codes in accordance with ITU-T Recommendation T.35.

Chapter VII. Voluntary numbering plans

Section 36. Registration of X.400 ADMD and PRMD domain names

The Norwegian Post and Telecommunications Authority registers ADMD (Administration Management Domain) and PRMD (Private Management Domain) domain names for electronic mail in accordance with ITU-T Recommendations X.400/F.400 and F.401.

Section 37. Authorisation for use of identifiers for EDIFACT

The Norwegian Post and Telecommunications Authority may grant authorisation for the use of identifiers for use in EDIFACT (Electronic Data Interchange for Administration, Commerce and Transport), UNB and UNG segments, in accordance with ISO 9735.

Section 38. Authorisation for use of ISO-DCC network addresses

The Norwegian Post and Telecommunications Authority may grant authorisation for the use of ISO-DCC (ISO data country code) network addresses in accordance with ISO/IEC 8348/ITU-T Recommendation X.213.

Section 39. Authorisation for use of object identifiers

The Norwegian Post and Telecommunications Authority may grant authorisation for the use of object identifiers in accordance with ISO/IEC 8824-1/ITU-T Recommendation X.680 and ISO/IEC 9834-1/ITU-T Recommendation X.660.

Section 40. The Norwegian Post and Telecommunications Authority's decisions regarding voluntary numbering plans

The Norwegian Post and Telecommunications Authority's decisions pursuant to this chapter are not administrative decisions, cf. Section 2 of the Public Administration Act, and cannot be appealed.

Chapter VIII. Common provisions

Section 41. Dispensation

The Norwegian Post and Telecommunications Authority may grant dispensation from provision in these regulations when special considerations so indicate.

Section 42. Appeals instance

Appeals against administrative decisions made by the Norwegian Post and Telecommunications Authority shall be decided by the Norwegian Ministry of Transport and Communications, but shall be sent to the Norwegian Post and Telecommunications Authority.

Section 43. Sanctions

In the event of a violation of these regulations or decisions made pursuant to these regulations, the Norwegian Post and Telecommunications Authority may implement sanctions under Chapter 10 of Electronic Communications Act. Violations of these regulations are punishable under Section 12-4 of the Electronic Communications Act.

Section 44. Entry into force

These regulations shall enter into force on 16 February 2004. From the same date the Regulations of 2 June 1997 (No. 560) on the allocation and use of numbers, number series, names and addresses for telecommunications networks and telecommunications services shall be repealed.