

*Unofficial and non-binding English translation.
Only the Danish version of the text has legal validity.*

Please note that the national regulatory authority regarding the overall Danish numbering plan has changed from the Danish Energy Agency to the Agency for Data Supply and Infrastructure as of June 2022.

Please note that Consolidated Act No. 128 of 7 February 2014 is historical. Consolidated Act No. 955 of 17 June 2022 is in force.

Executive Order No. 1883 of 7 December 2020

Executive Order on the Overall Danish Numbering Plan¹⁾

Pursuant to section 21(1) of the Act on Electronic Communications Networks and Services, cf. Consolidated Act No. 128 of 7 February 2014, the following provisions shall apply:

Part 1

Scope of application

1.-(1) This Executive Order shall apply to the numbering and addressing based on the recommendations of the International Telecommunication Union (ITU) and shall be used at:

- 1) the interface for access to electronic communications networks, and
- 2) the interface between individual electronic communications networks.

(2) This Executive Order shall not apply to numbering and addressing in dedicated networks using their own numbering plans, including internal use in VPN services and centralised or decentralised PABX networks.

Part 2

Definitions

2. The overall Danish numbering plan shall mean those parts of international numbering and addressing plans that have been allocated to Denmark by the ITU, including the national numbering plan for fixed-network communications and mobile communications and plans for data communications.

3.-(1) The definitions mentioned in subsections (2)-(11) shall apply to the national numbering plan for fixed-network communications and mobile communications.

(2) A number series shall mean a block of numbers from the numbering plan that has the same initial digits. A number series is defined in blocks of 100, 1,000, 10,000, 100,000, or 1,000,000 numbers.

(3) An international prefix shall mean a combination of digits dialled by the calling end-user for calls to networks, and which is followed by a country code.

(4) A country code shall mean the unique 1-, 2- or 3-digit code allocated by the ITU in accordance with ITU recommendation E.164.

(5) A carrier selection code shall mean the special combination of digits used in connection with carrier preselection and call-by-call carrier selection.

(6) An emergency number shall mean a number which, in an emergency or disaster situation, makes the public able to call the public emergency service.

(7) A short code shall mean a 3-, 4-, 5- or 6-digit number giving access to services for the purposes mentioned in section 22(1) of the Act on Electronic Communications Networks and Services, subject to subsection (5).

(8) Network-internal facilities/services shall mean functions that enable an end-user to carry out selection/control of network-based facilities and services, e.g. touchtone services (barring, calling line identification, tariff selection, etc.) or services corresponding to those described in section 14.

(9) M2M communication shall mean fully or mainly automatically initiated communication via an electronic communications network between two or more predetermined devices. Electronic communications services other than interpersonal communications services shall mean services such as M2M communication services. M2M communication shall also mean communication via a mobile broadband network.

(10) Voice telephony services as defined in section 2, no. 10, of the Act on Electronic Communications Networks and Services, shall not be regarded as M2M communication as mentioned in subsection (9).

(11) Notwithstanding subsection (10), M2M communication may include speech if this function is an integral part of an M2M communication service. However, also in these cases it must be in the nature of mainly automatically initiated communications via an electronic communications network between two or more predetermined devices, cf. subsection (9).

Part 3

The Danish Energy Agency's assignment of numbers, number series, codes or addresses

4.-(1) Subject to subsections (2)-(11), numbers, number series, codes or addresses shall be assigned to any person who provides electronic communications networks or services on a commercial basis and who requests to be assigned numbers, number series, codes or addresses. Numbers, number series, codes or addresses shall not be assigned to end-users, including major customers, providers of information or content services, dedicated networks established directly by one or more end-users for their own use, etc.

(2) Notwithstanding subsection (1), USO¹ providers may be assigned numbers, number series, codes or addresses specifically allocated to meet the universal service obligation of the USO provider in question.

(3) Codes for trial or test operations may be assigned to the commercial providers of electronic communications networks and services mentioned in subsection (1). In connection with the assignment of codes for trial or test operations the Danish Energy Agency may lay down terms as mentioned in section 7.

(4) Commercial providers of electronic communications networks or services shall give information about quantitative and qualitative characteristics of the individual electronic communications services desired to be assigned numbers, number series, codes or addresses, for the purpose of allowing the Danish Energy Agency to take account of number planning considerations when assigning specific numbers, number series, codes or addresses, and to assess to what extent assignment of numbers and addresses shall take place.

(5) Applications for number series which are expected to be withdrawn as a result of coming rearrangements of the overall numbering plan or which have been designated as reserves, cf. Annex 1, will basically be refused.

(6) Applications for assignment of more than one, or a limited number of, short codes per commercial provider of electronic communications services or services will be refused to the extent that this is necessitated by the importance of ensuring that sufficient short code resources are available within each subset of numbers allocated in the numbering plan.

(7) Applications for 8-digit number series intended to make it possible for a commercial provider of electronic communications networks or services, when reassigning numbers to end-users, to undertake further segmentation into independent number series other than the segmentation given in Part 4 will be refused to the extent that the need to ensure optimal utilisation of the numbers or number series necessitates this.

(8) Applications for assignment of numbers, number series, codes or addresses will be refused if the Danish Energy Agency receives the application earlier than three months before the desired date of assignment.

(9) The Danish Energy Agency may refuse an application for assignment of number series if a commercial provider of electronic communications networks or services fails to demonstrate that a minimum of 60 per cent of the number series of the type in question already assigned to the provider has been put into use.

(10) The Danish Energy Agency may refuse an application for assignment of numbers, number series, codes or addresses if a commercial provider of electronic communications networks or services has an outstanding balance due to the Agency as a result of failure to pay number charges, irrespective of the type of numbers, number series, codes or addresses applied for, and irrespective of the type of numbers, number series, codes or addresses involved in such failure to pay number charges.

¹ USO: Universal service obligation

(11) A decision as to whether the resources applied for can be assigned will be made by the Danish Energy Agency not later than three weeks after receiving an application, to be counted from the date on which all necessary information is available.

5.-(1) 8-digit and 12-digit numbers within the national numbering plan shall be assigned to commercial providers of electronic communications networks or services in blocks of 1,000, 10,000 or 100,000 contiguous numbers. When assigning number series, the Danish Energy Agency will aim at an efficient use of numbers and an expedient structure with contiguous number series in the national numbering plan. The number series mentioned in sections 19-21 shall be assigned in blocks of 100 or 1,000 contiguous numbers.

(2) Short codes, DNICs, ADMD addresses as well as numbers and addresses other than those mentioned in subsection (1) shall be assigned individually to commercial providers of electronic communications networks or services or USO providers.

6.-(1) In connection with the deployment of number series for the use of short codes as mentioned in section 22(1) of the Act on Electronic Communications Networks and Services, the Danish Energy Agency, via public announcements, shall invite commercial providers of electronic communications networks or services to express any wishes for specific short codes. Where such wishes coincide, assignment shall be based on a procedure of drawing lots arranged by the Notary Public.

(2) In connection with the deployment of 6-digit short codes in the 116-number series, cf. section 16, the Danish Energy Agency shall provide information, via public announcements, to the effect that applications for this may be sent to the Danish Energy Agency, including any deadline within which the Agency must have received the application. In case more than one application for the same number is received, assignment will be based on a procedure of drawing lots arranged by the Notary Public.

(3) As regards the assignment of numbers, number series, codes or addresses, including short codes, not included under subsections (1) or (2), the Danish Energy Agency shall make such assignment in the order that the requests of the commercial providers of electronic communications networks or services are received by the Agency.

(4) If the application for assignment of numbers, number series, codes or addresses does not contain the necessary information, the Danish Energy Agency shall notify the applicant thereof in writing, specifying the information that the applicant must submit before a decision can be made in the case. The Danish Energy Agency may fix a deadline within which the information must have been received by the Agency at the latest, indicating whether the application is regarded as void in case the information has not been received before expiry of such deadline.

7. The Danish Energy Agency may lay down specific terms for assigning numbers, number series, codes or addresses, including the following:

- 1) Definition of the service for which numbers, number series, codes or addresses may be used as well as any requirements associated with the provision of such service.
- 2) Actual and effective use of numbers, number series, codes or addresses.

- 3) The latest date on which these shall be put into use.
- 4) Maximum period of validity, subject to possible modifications of the national numbering plan.
- 5) Obligations according to international agreements for the use of numbers, number series, codes or addresses.
- 6) Use in accordance with the national numbering plan and applicable national law.
- 7) Tariff principles and maximum prices for specific number series.

Part 4

Deployment, reassignment, return and use of numbers, number series, codes and addresses

8.-(1) Numbers, number series, codes or addresses based on ITU Recommendations where administration thereof is delegated to the individual member countries may only be used if assigned by the Danish Energy Agency to the relevant commercial provider of electronic communications networks or services or USO provider, cf. Part 3.

(2) Commercial providers of electronic communications networks or services or USO providers who have been assigned numbers, number series, codes or addresses shall be responsible for using these in accordance with the rules of Part 4 and the terms laid down pursuant to section 7, with due respect for the assignment made to other commercial providers of electronic communications networks or services or USO providers.

9.-(1) Reassignment of numbers, number series, codes or addresses to other providers of electronic communications networks or services shall not be made to providers of electronic communications networks or services who, owing to scarcity within the overall numbers, number series, codes or addresses, have not been able in other ways to be assigned numbers, number series, codes or addresses directly from the Danish Energy Agency.

(2) Transfer of numbers, number series, codes or addresses to other commercial providers of electronic communications networks or services or USO providers shall not be made without the approval of the Danish Energy Agency.

(3) In connection with its approval of the transfer of numbers, number series, codes or addresses, cf. subsection (2), the Danish Energy Agency may lay down terms as mentioned in section 7.

(4) Commercial providers of electronic communications networks or services or USO services that have been assigned numbers, number series, codes or addresses by the Danish Energy Agency may at any time return the assigned numbers, number series, codes or addresses to the Agency to the same extent as the numbers, number series, codes or addresses have been assigned.

(5) Commercial providers of electronic communications networks or services, cf. subsection (4), that the Danish Energy Agency has assigned number series may return the assigned number series to the Agency in overall series of at least 1,000 numbers in which no porting has been made of numbers to other commercial providers of electronic communications networks or services.

10. Numbers, number series, codes or addresses assigned by the Danish Energy Agency shall be used in accordance with the relevant recommendations issued by the ITU or ETSI.

11.-(1) The overall deployment and use of the national numbering plan for fixed-network communications and mobile communications appear from Annex 1.

(2) Those parts of the plan that start with:

- 1) digits 2-9 are designated for 8-digit numbers, and
- 2) digits 0-1 are designated for numbers of 2, 3, 4, 5 or 6 digits, adapted to the purposes for which the individual number series are used, and
- 3) digits 37, are designated for 12-digit numbers.

12.-(1) Code 00 shall solely be used as the international prefix.

(2) The code to be used for the international prefix shall solely be 00.

13. Code 112 shall solely be used as an emergency number.

14. 4-digit numbers in number series 100-109 shall solely be used for carrier selection codes.

15.-(1) 3-digit numbers in number series 11 shall solely be used for the services mentioned in section 22(1), nos. 1 and 3, of the Act on Electronic Communications Networks and Services.

(2) 3-digit numbers in number series 12 shall solely be used for the services mentioned in section 22(1), no. 2, of the Act on Electronic Communications Networks and Services.

16. 6-digit numbers in number series 116 shall solely be used for harmonised services of social value in accordance with the Annex to EU Commission Decision 15 February 2007 (K(2007)249) as applicable from time to time. Applications for assignment of numbers in number series 116 not listed in this Annex will be refused.

17. 5-digit numbers in number series 160-169 shall solely be used for calls by end-users who want to use or connect to the networks and services mentioned in section 22(1), no. 5, of the Act on Electronic Communications Networks and Services.

18. 4-digit numbers in number series 18 shall solely be used for access to a combined access portal to public authorities, directory enquiry services, for provision of services of special social value and provision of shared services of special consumer or social significance associated with the provision of electronic communications networks or services, cf. section 22(1), no. 2, no. 3, no. 4 and no. 6, of the Act on Electronic Communications Networks and Services.

19. 8-digit numbers in number series 801-809 shall solely be used for services where calls are made without call- or minute-based charging of the end-user, cf. section 21(2), no. 4, of the Act on Electronic Communications Networks and Services.

20-(1) 8-digit numbers in number series 901-905 shall solely be used for premium rate information or content services, cf. section 21(2), no. 5, of the Act on Electronic Communications Networks and Services.

(2) Numbers to be used for services as mentioned in subsection (1) shall solely be within number series 901-905.

21. 8-digit numbers in number series 909 shall solely be used for the premium rate services of a commercial provider of electronic communications networks or services on condition that these services are not information or content services.

22-(1) 12-digit numbers in number series 37 shall solely be used for M2M communication.

(2) Providers who provide electronic communications services other than interpersonal communications services outside Denmark may exclusively be assigned numbers from number series 37 for this purpose.

(3) Providers who provide electronic communications services other than interpersonal communications services outside Denmark may exclusively be assigned numbers from number series 75-77 for this purpose.

23-(1) Calls from an end-user in networks using the national numbering plan for fixed-network communications and mobile communications shall be made by dialling 8-digit numbers, subject to section 11(2), nos. 2 and 3.

(2) Calls with the international prefix followed by country code 45 followed by a number in the Danish numbering plan shall be regarded as a permitted mode of dialling a national call.

(3) Calls from an end-user to the end-user's provider in connection with network-internal facilities/services may be preceded by a combination of digits and symbols, beginning with a symbol (* or #).

(4) Calls in public fixed-network communications and mobile communications networks outside country code 45 shall be made by dialling the international prefix followed by the relevant country code and the called number, subject to section 24(2)-(3).

24-(1) Carrier selection codes can only be used immediately before the calling procedures described in section 23, subject to subsections (2) and (3).

(2) If access is offered to several services after selection of a commercial provider of electronic communications networks or services according to subsection (1), the calling end-user, by dialling a code consisting of a combination of symbols and digits beginning with a symbol, cf. section 23(3), may choose an interruption or pause in the selection of digits before further selection of a number, for the purpose of establishing a dialogue between the calling end-user and the end-user's commercial provider of electronic communications networks or services.

(3) If one or more of the services to which access is offered after selection of a commercial provider of electronic communications networks or services according to subsections (1)-(2) presume the exchange

of billing or validation data etc., the selected commercial provider of electronic communications networks or services may interrupt the selection of digits prior to further selection of the number, for the purpose of establishing a dialogue between the calling end-user and the end-user's commercial provider of electronic communications networks or services.

25-(1) Data networks using a numbering plan based on ITU Recommendation X.121 shall solely use Data Network Identification Codes (DNICs) within the numbering resources made available to Denmark by the ITU.

(2) Data services using an addressing plan based on ITU Recommendations X.400/F.401 shall solely use Administration Management Domain addresses (ADMD addresses).

26-(1) Electronic communications networks designed on the basis of recommendations from the ITU and standards issued by the European Telecommunications Standards Institute (ETSI) shall solely use the numbering and addressing systems specified by the ITU and ETSI for the purpose of interconnection and identification.

(2) For the International Signalling Point Code (ISPC), numbering resources shall solely be used in accordance with ITU Recommendation Q.708.

(3) For the National Signalling Point Code (NSPC), numbering resources shall solely be used in accordance with ITU Recommendation Q.708.

(4) For the Mobile Network Code (MNC), which is part of the International Mobile Subscriber Identity (IMSI), numbering resources shall solely be used in accordance with ITU Recommendation E.212 and ETSI Standard ETS 300 523.

(5) For the Operator Identity (OPID), which is part of the Radio Identity Code (RIC), numbering resources shall solely be used in accordance with ITU Recommendation E.212 and ETSI Standard ETS 300 133-4.

(6) For the Issuer Identification Number (IIN), numbering resources shall solely be used in accordance with ITU Recommendation E.118.

Part 5

The Danish Energy Agency's revocation, withdrawal, modification or replacement of numbers, number series, codes or addresses

27. Numbers, number series, codes or addresses may be revoked in case of serious and repeated violations of the provisions of Parts 6 and 8 of the Act on Electronic Communications Networks and Services, the provisions of the present Executive Order, or terms for the assignment.

28-(1) Numbers, number series, codes or addresses already assigned may be withdrawn:

- 1) if it is necessary as a result of modifications in the overall Danish numbering plan, or

- 2) if it is deemed necessary for capacity reasons or for reasons concerned with general number planning, and the assigned numbers, number series, codes or addresses have not been taken into use or are no longer in use.

(2) Withdrawal as a result of modifications in the overall Danish numbering plan, cf. subsection (1), no. 1, shall be subject to a notice of three years.

(3) Numbers, number series, codes or addresses that have not been taken into use or are no longer in use, cf. subsection (1), no. 2, may be withdrawn at a notice of six months.

29.-(1) Numbers, number series, codes or addresses already assigned may be modified or replaced with others:

- 1) if it is deemed necessary for capacity reasons or for reasons concerned with general number planning, or
- 2) if, based on an overall assessment, it is deemed expedient for the purpose of ensuring efficient utilisation of the overall capacity of the Danish numbering plans existing at the time in question.

(2) Modification or replacement of assigned numbers, number series, codes or addresses shall be subject to a notice of three years.

(3) The Danish Energy Agency shall submit proposed modifications or replacements for public consultation with a deadline for responses of at least four weeks before a notice of modification or replacement according to subsection (2) is implemented.

(4) Numbers, number series, codes or addresses that have not been taken into use or are no longer in use may be modified or replaced at a notice of six months.

30. The State may not be held financially liable for any costs incurred by providers of electronic communications networks or services or USO providers as a result of revocations, withdrawals, modifications or replacements under this Executive Order.

Part 6

Coming into force and transitional provisions

31.-(1) This Executive Order shall come into force on 21 December 2020, subject to subsection (2).

(2) The provision in section 22(2) shall come into force on 1 July 2022.

(3) The provision in section 22(3) shall be applicable until 30 June 2022 after which the provision shall be repealed.

(4) Executive Order No. 425 of 14 April 2011 on the Overall Danish Numbering Plan shall be repealed.

Danish Energy Agency, 7 December 2020

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/ Maria Schmidt Jensen

Annex 1

Overall deployment of the national numbering plan for fixed-network communications, mobile communications etc. (effective 21 December 2020)											
a b	0	1	2	3	4	5	6	7	8	9	
0	International prefix	Reserve (*)									
1	4-digit carrier selection codes	3-digit short codes (1)			Reserve (*)		5-digit network access codes	Reserve (*)	4-digit short codes	Reserve (*)	
2	Mainly mobile communications										
3	Mainly mobile communications		Mainly fixed-network communications (!)				12-digit M2M-numbers	Mainly fixed-network communications (!)			
4	Mainly mobile communications				Mainly fixed-network communications (!)						
5	Mainly mobile communications				Mainly fixed-network communications (!)						
6	Mainly mobile communications		Mainly fixed-network communications (!)				Reserve (*)	Mainly fixed-network communications (!)			
7	Mainly fixed-network communications (!)	Mainly mobile communications	Mainly fixed-network communications (!)								
8	Freephone	Mainly mobile communications	Mainly fixed-network communications (!)	Reserve (*)		Mainly fixed-network communications (!)					
9	Premium rate services	Mainly mobile communications			Reserve (*)		Mainly fixed-network communications (!)				

That a number series is allocated as reserve means that no numbers are assigned from it at the present time.

Not all reserved number series appear directly from the table as this is only specified for the first two digits.

- Number series marked with (*) are allocated for the use of extra capacity. This also applies to number series 108-109, 164-169 and 906-908.
- Number series with first digits 2-9 and third digit 0 are allocated for future expansion of the numbering plan. These do not appear from the table.
- Number series 116 is reserved for European harmonised use of 6-digit short codes for services of social value. Short code 116 112 cannot be assigned to, or used by, any service.
- Number series 3711-3719 and 372-379 will not be brought into use until deemed necessary.
- In number series marked with (!) the following number series are allocated mainly for mobile communications: 342, 344-349, 356-357, 359, 362, 365-366, 389, 398, 431, 441, 462, 466, 468, 472, 474, 476, 478, 485-486, 488-489, 493-496, 498-499, 542-543, 545, 551-552, 556, 571-574, 577, 579, 584, 586-587, 589, 597-598, 627, 629, 641, 649, 658, 662-665, 667, 692-694, 697, 771-772, 782-783, 785-786, 788-789, 826-827 and 829.
- Numbers in number series 75-77 can also be assigned to providers providing M2M communication outside Denmark.

Official Notes

¹⁾ This Executive Order contains rules implementing Commission Decision 2007/116/EC of 15 February 2007 on reserving the national numbering range beginning with '116' for harmonised numbers for harmonised services of social value, Official Journal 2007, no. L049, p. 30-33, as amended by Commission Decision 2007/698/EC of 29 October 2007, Official Journal 2007 no. L284 p. 31, and Commission Decision 2009/884/EC of 30 November 2009, Official Journal 2009 no. L317 p. 46, and parts of Directive (EU) 2018/1972 of the European Parliament and of the Council of 11 December 2018 establishing the European Electronic Communications Code (Recast), Official Journal 2018, no. L 321, page 36.