

Numbering plan for the numbering space for public telecommunications

1. Legal basis

Numbers as defined in section 3 para 13 of the Telecommunications Act (TKG) of 22 June 2004 (Federal Law Gazette I page 1190), as last amended by Article 22 of the Act of 25 July 2014 (Federal Law Gazette I page 1266), are character sequences which in telecommunications networks serve the purpose of addressing.

A numbering space as defined in section 3 para 13c of the Telecommunications Act is all the numbers used for a particular type of addressing.

Telephone numbers as defined in section 3 para 18 of the Telecommunications Act are numbers which when dialled in the public telephone service allow a connection to a specific destination to be set up.

This Administrative Order sets out, as required by section 66(1) second sentence of the Telecommunications Act and by the Telecommunications Numbering Ordinance (TNV) of 5 February 2008 (Federal Law Gazette I page 141), as amended by Article 4(110) of the Act of 7 August 2013 (Federal Law Gazette I page 3154), how the German numbering space for public telecommunications is to be structured and configured.

2. Number format and subdivision of the numbering space

The German numbering space for public telecommunications is the part identified by the country code 49 of the international numbering space as defined in Recommendation ITU-T E.164 "The international public telecommunication numbering plan" of the International Telecommunication Union (ITU).

According to Recommendation ITU-T E.164 international numbers, ie numbers including the country code, are to be composed of a maximum of 15 digits. National numbers in Germany are therefore to be composed of a maximum of 13 digits. Prefixes such as "0" for national and "00" for international calls are not part of the numbers.

According to Recommendation ITU-T E.164 national numbers are composed of a code with a variable number of digits and a subscriber number.

Based on Recommendation ITU-T E.164 the German numbering space for public telecommunications has the following basic structure:

| | | |
|--|--|--|
| International prefix usually: 00 (symbol: "+") | German number for public telecommunications (international format) (maximum 15 digits) | |
| | Country code 49 | National number (maximum 13 digits) |
| | National prefix 0 | |
| | | Code |
| | | Subscriber number |

Some national numbers are not subdivided into code and subscriber number fields.

The code can be either a service code or a geographic area code (NB: network codes as provided for in Recommendation ITU-T E.164 are not used).

By way of derogation from the basic structure the national numbers for international virtual private networks (IVPNs, (0)181) and for paging services ((0)168 and (0)169) have 14 digits.

Numbers and number ranges in the German numbering space for public telecommunications are provided for various purposes. In some cases specific rules on their structure and configuration and individual assignments have been made. Numbers not yet designated for specific purposes form a reserve.

The following table shows the subdivision of the German numbering space for public telecommunications.

The numbering space includes numbers that cannot be preceded by a prefix. These numbers are not numbers as provided for by Recommendation ITU-T E.164. Apart from this, however, the same type of addressing is used for these numbers as for E.164 numbers. The numbers therefore occupy part of the numbering space for public telecommunications. The numbers are those in the table that do not begin with a zero in brackets and are not subscriber numbers.

| Number/initial digits | Use | Classification |
|--|---|--|
| 0 | National prefix | Prefix; not part of the national number |
| 00 | International prefix | Prefix; not part of the international number |
| 010xy, 0100yy with x = 1 ... 9 and y = 0 ... 9 | Carrier selection and carrier pre-selection | Prefix that can be dialled before the area code or – for calls to numbers with the same area code – before the subscriber number |

| Number/initial digits | Use | Classification |
|---|---|-------------------------------------|
| (0)11 | Reserve; | National number |
| | Exceptions: | |
| (0)115 | - Single government service telephone number (international access) | |
| (0)116xyy with x = 0, 1 and y = 0 ... 9 | - Harmonised services of social value (international access) | |
| (0)118xy, (0)1180yy with x = 1 ... 9 and y = 0 ... 9 | - Directory enquiries and call connect services | National number (118 + provider ID) |
| (0)12 | Reserve | |
| (0)13 | Reserve; | Service code (137 + rate indicator) |
| | Exceptions: | |
| (0)137x, with x = 1 ... 9 | - Mass calling services | |
| (0)14 | Reserve | |
| (0)15, (0)16, (0)17 | Mobile services; | Service code |
| | Exceptions: | Service code |
| (0)161 | - Reserve | |
| (0)164 | - e*Message Wireless Information Services Deutschland GmbH (paging) | |
| (0)165 | - Reserve | |
| (0)166 | - Reserve | Service code |
| (0)167 | - Reserve | |
| (0)168 | - Reserve | |
| | - e*Message Wireless Information Services Deutschland GmbH (paging) | |
| (0)169 | | |

| Number/initial digits | Use | Classification |
|---|---|--------------------------------------|
| | - e*Message Wireless Information Services Deutschland GmbH (paging) | Service code |
| (0)180x with x = 0 ... 9 | Medium rate services | Service code (180 + rate indicator) |
| (0)181xxx, (0)181xxxx with x = 0 ... 9 | International virtual private networks (IVPNs) | Service code (181 + IVPN identifier) |
| (0)18xy, (0)18xyy, (0)18xyyy, (0)18xyyyy, (0)18xyyyyy, (0)18xyyyyyy with x = 2 ... 9 and y = 0 ... 9 | Virtual private networks (VPNs) | Service code (18 + user ID) |
| (0)19 | Reserve; | |
| (0)19x with x = 1 ... 4 | Exceptions: - Online services | Service code |
| (0)1986115 | - Routing code for the single government service telephone number 115 | |
| (0)1987xxx with x = 0 ... 9 | - Routing codes for 116xyy numbers | |
| (0)1988xx with x = 0 ... 9 | - Terminating operator codes to generate routing codes for international freephone services | |
| (0)1989xy with x = 1 ... 9 and y = 0 ... 9 | - Routing codes for directory enquiry and call connect services | |
| (0)19890xx | - Routing codes for call connect | |

| Number/initial digits | Use | Classification |
|---|--|---|
| with x = 0 ... 9 (0)199 | services - Routing codes for routing within networks | |
| (0)xy, (0)xyy, (0)xyyy, (0)xyyyy with x = 2 ... 9 and y = 0 ... 9 | Geographic area codes; Exceptions: | Geographic area code |
| (0)31-0 | - Test number for carrier selection and carrier pre-selection for national calls | National number (can be dialled only from German lines that allow carrier selection and/or carrier pre-selection) |
| (0)31-1 | - Test number for carrier selection and carrier pre-selection for local calls | ditto |
| (0)31-x with x = 2 ... 9 | - Reserve | |
| (0)32 | - National subscriber numbers | Service code |
| (0)500, (0)501 | - Reserve | |
| (0)700 | - Personal numbers | Service code |
| (0)701 | - Reserve | |
| (0)800 | - Freephone services | Service code |
| (0)801 | - Reserve | |
| (0)900x with x = 1, 3 and 5 | - Premium rate services | |
| (0)900x with x = 0, 2, 4, 6, 7, 8 | - Reserve | |
| (0)9009 | - Diallers | Service code |
| (0)901, (0)902, (0)903, (0)904, (0)905 | - Reserve | Service code |

| Number/initial digits | Use | Classification |
|--|--|---|
| xyy, xy yy, x yy yy, xy yy yy, x yy yy yy, xy yy yy yy with x = 1 ... 9 and y = 0 ... 9 | Local numbers Specially regulated subscriber numbers: 115 - Single government service telephone number Exceptions: 110 - Police 112 - Emergency, fire (European emergency number) 116xyy with x = 0, 1 and y = 0 ... 9 - Harmonised services of social value 118xy with x = 1 ... 9 and y = 0 ... 9 - Directory enquiries and call connect services 11800x with x = 0 ... 9 - Call connect services 1180xy with x = 1 ... 9 and y = 0 ... 9 - Reserve 11x with x = 1, 3, 4, 7, 9 - Network internal use | Subscriber number (if the number is dialled from a line that is not in the same geographic area, the area code must be dialled before the number) ditto Numbers without prefixes for special services (non-E.164 numbers) |

A zero in brackets means that the zero is not part of the number but must be dialled before the number when calling from a line in Germany. When calling from another country the international prefix applicable in the country (frequently "00" as in Germany) and the country code for Germany (written as "+49") must be dialled instead of the zero.

Note: Whether or not numbers are actually obtainable from another country depends on the contractual arrangements between the telecommunications service providers concerned.

3. Purpose of use

If specific rules, in particular numbering plans on structure and configuration or other assignment rules, have been published for certain number ranges or individual numbers, the numbers or number ranges concerned must be used in accordance with the conditions laid down in the rules.

Numbers that have been assigned and for which no specific rules have been published must be used in accordance with the conditions in the assignment notice.

Note: In accordance with section 4(1) first sentence of the Telecommunications Numbering Ordinance numbers in the German numbering space for public telecommunications that have not been assigned may not be used.

4. Entry into force

This Administrative Order will become effective on **9 July 2015**.

Rights of appeal

An appeal against this Administrative Order may be lodged within one month of its issue. The appeal must be filed in writing with the Bundesnetzagentur, Tulpenfeld 4, 53113 Bonn or any other Bundesnetzagentur office, or placed on record.

The requirement of written form is met if electronic media are used. In this case, an electronic PDF or PDF/A document must be signed with a qualified electronic signature as defined in the Electronic Signatures Act (SigG). The other conditions applicable to electronic communications with the Bundesnetzagentur can be found on the Bundesnetzagentur's website at www.bundesnetzagentur.de – Die Bundesnetzagentur > Über die Agentur > Elektronische Kommunikation.

Under section 137(1) of the Telecommunications Act an appeal does not have suspensory effect. Filing an appeal does not change the effect or enforceability of the Administrative Order in any way.