

1800 MHz Auction

**Award of frequencies in the frequency bands
1720.1-1785.0 MHz and 1815.1-1880.0 MHz**

Information Memorandum

Annex B

**Decision by the Minister for Energy, Utilities
and Climate of 28 June 2016 on the 1800
MHz Auction**

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Annex B: Decision by the Minister for Energy, Utilities and Climate of 28 June 2016 on the 1800 MHz Auction

Decision on the framework for award of the frequency bands 1720.1-1785.0 MHz and 1815.1-1880.0 MHz

In pursuance of the Frequency Act¹, section 9(1), the Minister for Business and Growth made a decision on 17 March 2015 directing the Danish Energy Agency, as a basis for issuing licences in the 1800 MHz frequency band², to hold an auction under the rules of section 10 of the Frequency Act.

In continuation of this decision and in pursuance of section 9(3) of the Frequency Act, the Minister for Energy, Utilities and Climate hereby makes the following decision:

1. The Danish Energy Agency shall issue licences to use spectrum in the 1800 MHz frequency band on the basis of the result of the auction.
2. At the auction, the 1800 MHz frequency band shall be offered as lots³, to be combined in nationwide licences based on the result of the auction. These lots shall be divided into the following categories:
 - Category A shall be auctioned off as three generic lots of 2x10 MHz subject to a coverage obligation in one of the three coverage area groups, cf. Annex 1, in connection with the application for the auction.
 - Category B shall be auctioned off as seven generic lots of 2x5 MHz. In case one or more category A lots have not been assigned in connection with the application for the auction, each of these lots will be included in the auction as two category B lots of 2x5 MHz.
3. The following minimum requirements shall be fulfilled by licensees in the 1800 MHz frequency band:
 - a. The licensee shall ensure provision, not later than 13 December 2019, of a mobile voice service and a mobile broadband service offering users, for most of the time, the experience of connecting at a download speed of at least 30 Mbit/s and an upload speed of at least 3 Mbit/s. The coverage obligation shall apply at the addresses in the Coverage Area Group(s) specified in the licence, cf. clause 4.

¹ The decision was made in pursuance of Act no. 475 of 12 June 2009 on Radio Frequencies as subsequently amended.

² The 1800 MHz frequency band should be understood as the frequencies 1720.1-1785.0 MHz and 1815.1-1880.0 MHz.

³ It should be noted that one of the lots will contain 2x0.1 MHz less than the remaining lots, as a total of 2x64.9 MHz is on auction if Hi3G does not acquire spectrum in the auction. If Hi3G acquires spectrum in the auction, all lots will contain 2x5 MHz.

- b. The coverage obligation may be fulfilled by using spectrum governed by this decision or other spectrum available to the licensee.
 - c. The coverage obligation may be fulfilled via national roaming agreements.
4. The addresses selected for the coverage obligation, cf. clause 3, are divided into three Coverage Area Groups, cf. Annex 1, and the coverage obligation shall basically be fulfilled as specified in the Annex, subject to clauses 5 and 6. If one or more category A lots, each containing a coverage obligation in one of three Coverage Area Group, have not been allocated in connection with the application for the auction, exemptions from the coverage obligation shall be offered as an independent category C. Exemptions from the coverage obligation shall be offered for each individual Coverage Area Group. Thus the result of the auction might imply that the individual licensee is exempted from fulfilling the coverage obligation in one or more of the three Coverage Area Groups, cf. Annex 1. As far as possible, however, the result of the auction should ensure that at least one licensee is required to fulfil the coverage obligation in each Coverage Area Group.
 5. In quite exceptional cases where a licensee cannot offer a mobile voice service or a mobile broadband service in accordance with clause 3 for reasons outside the control of the licensee, including environmental, preservation-related or quite exceptional radio engineering conditions, the Danish Energy Agency, subject to application and after having received proper documentation, may relax the terms requiring coverage for specific addresses.
 6. In case the Danish Energy Agency, in connection with the disposal of frequency bands other than the 1800 MHz frequency band, issues frequency licences subject to coverage obligations, the Agency may relax the terms for coverage, cf. clause 3, including cases in which the areas correspond wholly or partly with coverage areas in other spectrum licences, or where other spectrum licences specify higher requirements for offered broadband speed etc.
 7. The minimum bid sum and reserve price at the auction of spectrum in the 1800 MHz frequency band and exemptions from the coverage obligation shall be as follows:
 - a. Category A per lot: DKK 50 million
 - b. Category B per lot: DKK 25 million
 - c. Category C per exemption: DKK 0 million

Ministry of Energy, Utilities and Climate 28 June 2016

Lars Chr. Lilleholt

Annex 1 to Decision by the Minister of 28 June 2016

A licensee allocated a category A lot shall fulfil a coverage obligation comprising the coverage areas in group 1, 2 or 3, subject to clause 4. The specific addresses comprised in each Coverage Area Group appear from Annex K to the Information Memorandum.

It appears from the map below how the Coverage Area Groups are composed.

- Group 1 comprises 82 coverage areas with a total of 715 addresses.
- Group 2 comprises 82 coverage areas with a total of 712 addresses.
- Group 3 comprises 81 coverage areas with a total of 716 addresses.

