



BANCA D'ITALIA
EUROSISTEMA

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(This table will be filled with the prices offered by the Network Service Provider)

[AR.2.4]- MAXIMUM PRICES

List of maximum prices

- Attachment 4 to the Licence Agreement -

The following table provides a list of the services¹, which the Network Service Provider commits to offer to Directly Connected T2S Actors (DiCoAs), as well as the maximum prices that the Network Service Provider shall charge to the DiCoAs for the provision of each of these services. Subject to the conditions specified in this attachment, and unless expressly provided for in this attachment, such maximum prices cannot be exceeded during the Term of the Licence Agreement.

The Network Service Provider should be aware that the Eurosystem shall not be charged for any of the services listed in the table below, which are required for the provision of the Connectivity Services to the T2S Platform according to the Licence Agreement and its Attachments, in particular Attachment 1. The maximum prices shall therefore also include all the costs incurred by the Network Service Provider to deliver the Connectivity Services to the T2S Platform². For the avoidance of doubt, the maximum prices indicated in the list below for the services C1 to C4 apply to the data traffic both sent and received by a DiCoA.

Unless explicitly stated otherwise, the maximum prices shall cover all activities and components that allow a DiCoA to make efficiently and securely use of the Connectivity Services, according to service levels that are equal to those required by the Eurosystem for the T2S Platform itself, as described in the Licence Agreement and its Attachments, in particular Attachment 1.

The Network Service Provider shall be obliged to supply, but shall not charge for any other services not included in the below list, but which are necessary for a DiCoA to make efficiently and securely use of the Connectivity Services as further specified in the attachment 1 to the Licence Agreement. The Network Service Provider shall consider all Connectivity Services and their prices in its area of responsibility. The boundaries of this responsibility between the Network Service Provider and T2S are defined in the Licence Agreement and its attachments, in particular attachment 1. The boundaries of responsibility between the Network Service Provider and its DiCoAs, for the purpose of the below pricing list, shall be in the same logical point of the technical infrastructure as the one defined for T2S (but on the side of the

¹ This term includes all components such as hardware and software required for use of the Connectivity Services in accordance with the requirements specified in the Licence Agreement and its attachments.

² For more detail please refer to the Technical Requirements - Attachment 1 to the License Agreement

DiCoA).

The maximum prices specified in the list below shall apply for a connection with a basic bandwidth of 10 Mb³/s between any data centres of the DiCoAs located in the EEA⁴ or Switzerland to the T2S data centres. All relevant components in the list shall be sized to allow at minimum a full utilisation of that basic bandwidth.

Should DiCoAs require higher service levels for certain services, than the ones specified in the Licence Agreement and its Attachments as the basis for the maximum prices, the Network Service Provider shall not be bound by the maximum price specified for these services. If a DiCoA shall require a higher basic bandwidth the Network Service Provider is only bound by the maximum price for the services A.4 and B.4. In all other cases, the Network Service Provider cannot charge higher prices to any DiCoA than the ones specified in this Attachment.

If the Network Service Provider has charged more than the relevant amounts published as indicated in the list presented below, the Network Service Provider shall within one month indemnify the DiCoA at least for the amounts charged above the maximum price, to be increased – as the case may be – with any additional indemnity agreed between the DiCoA and the Network Service Provider in their T2S Connectivity Services Agreement. In addition, the Network Service Provider shall – within the same time frame – pay the same amount to the Eurosystem as a penalty.

For each month delay in the payment of the indemnification, the Network Service Provider shall pay at least an additional 10% of the indemnification amount, to be increased – as the case may be – with any additional penalties agreed between the DiCoA and the Network Service Provider in their T2S Connectivity Services Agreement.

³ 1 Mb = 1 megabit = 10⁶ bits

⁴ The European Economic Area (EEA)

(This table will be filled with the prices offered by the Networ Service Provider)

Category	ID	Service	Pricing unit	Max. Price Production		Max. Price Test And Training	
				Number	Letter	Number	Letter
One-off fees	A.1 ⁵	Maximum price for installation of one single point of presence (PoP) with a redundant configuration at a single DiCoA's site (i.e. installation with two incoming physical lines in a redundant set-up). Excluding any costs related to necessary construction works at the DiCoA's premises.	EUR per PoP			N/A ⁶	N/A

⁵ The A.1 service is shared between the production and the test and training traffic

⁶ Not applicable

Category	ID	Service	Pricing unit	Max. Price Production		Max. Price Test And Training	
				Number	Letter	Number	Letter
One-off fees	A.2	<p>Maximum price for a minimum set of software and hardware components required to access and utilise all the NSP's services for T2S in a secure and reliable way using the service A.1 (e.g. VPN, HSM, router ...), and using a redundant set-up of that service.</p> <p>For the A2A mode, relevant software components shall allow communication with the DiCoA's middleware components using the DiCoA's TCP/IP network and at least one widely recognised, well documented and utilised communication protocol.</p> <p>For the U2A mode, relevant software components shall allow communication with the DiCoA's middleware using the DiCoA's TCP/IP network and the HTTPS protocol.</p> <p>(Please refer to the technical requirements for more details.)</p>	EUR per network interface				

Category	ID	Service	Pricing unit	Max. Price Production		Max. Price Test And Training	
				Number	Letter	Number	Letter
One-off fees	A.3	Maximum price for a DiCoA's registration with the NSP for all required T2S services (e.g. for the purpose of the security services, T2S messaging services, ...). (Please refer to the technical requirements for more details.)	EUR per registration				
One-off fees	A.4	Maximum price for issuing one PKI certificate for securing T2S traffic (A2A and U2A) with a warranty of no less than 1 million EUR. (Please refer to the technical requirements for more details.)	EUR per PKI certificate				
Periodical fixed fees	B.1 ⁷	Maximum yearly fee for utilisation and maintenance of a single point of presence with a redundant configuration at a single DiCoA's site (refer to A.1).	EUR per year per PoP maintenance contract			N/A	N/A

⁷ The B.1 service is related to the A.1 service, which is shared between the production and the test and training traffic.

Category	ID	Service	Pricing unit	Max. Price Production		Max. Price Test And Training	
				Number	Letter	Number	Letter
Periodical fixed fees	B.2	Maximum yearly fee for utilisation and maintenance of a minimum set of software and hardware components required to access and utilise all the NSP's services for T2S (refer to A.2) including necessary upgrades of software and hardware components and replacement of failing hardware components within 48 hours upon a fault report by a DiCoA or a fault detection by the NSP. Excluding any costs related to a DiCoA's expenses related to the hosting of these software and hardware components.	EUR per year per network interface maintenance contract				
Periodical fixed fees	B.3 ⁸	Maximum yearly fee for the customer support service.	EUR per year per service support contract			N/A	N/A

⁸ The B.3 service is shared between the production and the test and training environments.

Category	ID	Service	Pricing unit	Max. Price Production		Max. Price Test And Training	
				Number	Letter	Number	Letter
Periodical fixed fees	B.4	Maximum yearly fee for maintenance (including renewal) of one already issued PKI certificate for securing T2S traffic (A2A and U2A) with a warranty of no less than 1 million EUR. (Please refer to the technical requirements for more details.)	EUR per year per PKI certificate				
Communication fees	C.1	Maximum price for transmission of a single message (of max. 32 kB ⁹) in A2A mode via the store-and-forward channel, including the delivery notification required in case of delivery failure, and including all positive/negative technical acknowledgements required to finalise the sending and receipt of that message. (Please refer to the technical requirements for more details.)	EUR per A2A store-and-forward message				

⁹ 1 kB = 1024 bytes

Category	ID	Service	Pricing unit	Max. Price Production		Max. Price Test And Training	
				Number	Letter	Number	Letter
Communication fees	C.2	Maximum price for transmission of a single request-response (of max. 32 kB request and max. 32 kB response) in A2A mode via the real-time channel, including all positive/negative technical acknowledgements required to finalise the sending and receipt of the request and the response. (Please refer to the technical requirements for more details.)	EUR per A2A real-time request-response exchange				
Communication fees	C.3	Maximum price for transmission of each 1 MB ¹⁰ of a file or its part thereof (of max. 32 MB) in the A2A mode via the store-and-forward channel, including the delivery notification failure in case of a delivery failure and including all positive/negative technical acknowledgements required to finalise the sending and receipt of that file. (Please refer to the technical requirements for more details.)	EUR per MB transmitted via A2A store-and-forward files				

¹⁰ 1 MB = 1024 KB

Category	ID	Service	Pricing unit	Max. Price Production		Max. Price Test And Training	
				Number	Letter	Number	Letter
Communication fees	C.4	Maximum price for transmission of each 1 MB of a file or its part thereof (of max. 32 MB) in the A2A mode via the real-time channel, including all positive/negative acknowledgements required to finalise the sending and receipt of that file. (Please refer to the technical requirements for more details.)	EUR per MB transmitted via A2A real-time files				
Communication fees	C.5	Maximum price for the transmission of each 1 MB volume or its part thereof via the U2A channel.	EUR per 1 MB transmitted in U2A				