

Storage Specification Jemgum Underground Storage Facility

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(hereinafter referred to as "**SEFE Storage**")

Contents

Article 1	Introduction.....	3
Article 2	Storage Services	3
Article 3	Adjusting the Availability of Storage Services.....	4
Article 4	Storage Services Fee	4
Article 5	Basic Storage Tariff	5
Article 6	Adjusting the Storage Tariff	5
Article 7	Long-term Factors	7
Article 8	Short-term Factors.....	7
Article 9	Seasonality Factors	7
Article 10	Fee for Exceeding the Storage Capacities	8
Article 11	Tariff for Exceeding the Storage Capacities	8
Article 12	Rounding procedure	8
Article 13	Convergency	8
Article 14	First Gas Injection into Caverns.....	9
Article 15	Technical Limitations	9
Article 16	Injection and Withdrawal Curves	10
Article 17	Delivery Points.....	11
Article 18	Gas Quality Specifications.....	11
Article 19	Changes in the Storage Specification.....	11
Article 20	Provision of Storage Capacities in the event of non-use	12

Article 1 Introduction

1. The **Storage Specification** for the Jemgum **Storage Facility** defines all the details required to enable **SEFE Storage** to provide **Storage Services** at the Jemgum **Storage Facility**.
2. The definitions for the storage of **Gas** contained in the **General Terms and Conditions for Storage Access** shall apply. Terms used in the singular also include the plural and vice versa, assuming this has not been expressly agreed otherwise or is obvious from the respective situation.
3. Upon the conclusion of a **Storage Services Agreement** the **Storage Specification** of the **Storage Location** on which the **Storage Services Agreement** is based shall form an integral part of the **Storage Services Agreement**.
4. The validity of all the **Storage Services Agreements** shall be subject to the condition precedent of the effective realisation of the Jemgum **Storage Facility** including the required storage connection pipelines. In order to minimise the uncertainties resulting from Sentence 1 **SEFE Storage** will notify the **Storage Customer** as soon as possible of any postponement of the agreed **First Utilisation Day** of the **Storage Period** and of any adjustment of the amount of contracted **Storage Services** according to Article 3, which might occur in this context.
5. To grant a non-discriminatory marketing and to satisfy as many requests as possible during the planned, incremental commissioning, **SEFE Storage** shall be entitled to reduce the requested **Storage Capacities** corresponding with said planned, incremental commissioning by up to 50%.

Article 2 Storage Services

Article 2.1 Jemgum-pack

1. The **Jemgum-pack Storage Service** shall be a **Bundled Storage Service** with a minimum term of one (1) **Year**. In case **Jemgum-pack** is only available for a period within a **Storage Year** less than the aforementioned term, **SEFE Storage** shall be entitled to deviate from this minimum term.
2. At Jemgum **Jemgum-pack** shall comprise the following **Storage Capacities**:
 - a) **Injection rate**: 6.60 kWh/h and
 - b) **Withdrawal rate**: 10.00 kWh/h and
 - c) **Working gas volume**: 10,000.00 kWh

3. The minimum quantity of **Jemgum-pack** shall be 500 bundles. In case **Jemgum-pack** is only available for a quantity less than the aforementioned quantity **SEFE Storage** shall be entitled to deviate from this minimum quantity.
4. The availability of **Jemgum-pack** shall be subject to the limitations of the applicable **Injection** and **Withdrawal Curves** according to Article 16.

Article 2.2 Jemgum-add

1. The **Jemgum-add Storage Service** shall be an **Unbundled Storage Service** with a minimum term of one (1) **Storage Day** which **Storage Customers** can contract in addition to **Jemgum-pack**.
2. The availability of **Jemgum-add** shall be subject to the limitations of the applicable **Injection** and **Withdrawal Curves** according to Article 16.

Article 3 Adjusting the Availability of Storage Services

1. If the availability of the **Storage Capacities** differs from the planning, **SEFE Storage** shall be entitled to adjust the availability of the **Storage Services**, to the availability of the **Storage Capacities**.
2. Should, due to an adjustment according to Section 1, the amount of **Storage Services** that have already been contracted by all **Storage Customers** exceed the amount of available **Storage Services**, **SEFE Storage** shall be entitled to adjust all **Storage Customers'** amount of contracted **Storage Services** proportionally to the amount of available **Storage Services**.
3. The **Storage Customer** shall be entitled to terminate its **Storage Services Agreement** with immediate effect to the extent the **Storage Services** according to Article 2 of the **Storage Services Agreement** has not been made available within 24 months after the agreed **First Utilisation Day** of the **Storage Period**. This right of termination can be executed within 20 **Working Days** after receipt of the notification by **SEFE Storage** according to Article 1, Section 4.

Article 4 Storage Services Fee

1. The **Storage Customer** shall be obligated to pay the respective **Storage Services Fee** for the **Storage Capacities** made available by **SEFE Storage**. The claim to payment of this **Storage Services Fee** shall arise at the start of the **First Utilisation Day** of the respective **Storage Services Agreement**.
2. The **Storage Tariff** that applies to the **Storage Services Fee** shall be calculated on the basis of the **Basic Storage Tariff** according to Article 5 and the provisions defined in Article 6.

3. To determine the **Storage Services Fee** the number of contracted **Storage Services** shall be multiplied by the **Storage Tariff** according to Section 2 and a grand total of all **Storage Services** is formed.
4. In case **Short-term-** or **Long-term Factors** should apply, the **Storage Services Fee** calculated according to Section 3 shall be multiplied by the respective factors according to Article 7 and Article 8.
5. For **Storage Periods** less than one (1) **Year** the annual **Storage Services Fee** calculated according to Section 3 and Section 4 shall be divided by twelve (12) in order to calculate the **Storage Services Fee per Month**. In order to calculate the **Storage Services Fee per Storage Day** the **Storage Services Fee per Month** according to sentence 1 shall be divided by thirty (30).
6. In case seasonality factors according to Article 9 should apply, the **Storage Services Fee** calculated according to Section 5 shall be multiplied by the respective factors.

Article 5 Basic Storage Tariff

1. The **Basic Storage Tariff** for **Jemgum-pack** according to Article 2.1 shall be:
€105.00 per **Year** per bundle.
2. The **Basic Storage Tariff** for **Jemgum-add** according to Article 2.2 shall be:
 - a) **Injection Rate:** € 3.79 per kWh/h/a
 - b) **Withdrawal Rate:** € 4.95 per kWh/h/a
 - c) **Working Gas Volume:** 0.49 ct/kWh/a
3. All the prices listed here are net prices; any statutory turnover tax that is due shall be charged separately at the applicable tax rate.

Article 6 Adjusting the Storage Tariff

1. Based on the **Basic Storage Tariff** according to Article 5 the **Storage Tariff** that applies to billing and payment shall be adjusted on April 1 every year according to the following formula:

$$E = E_0 \times \left(0.50 + 0.25 \times \frac{I}{I_0} + 0.25 \times \frac{L}{L_0} \right)$$

In this formula the terms mean:

E = **Storage Tariff** in €/year or €/month.

E₀ = **Basic Storage Tariff** as per Article 5.

I = Average annual value of the Capital Goods Price Index in the calendar year preceding the adjustment date.

The Capital Goods Price Index is published in Series 17 of the German Federal Statistical Office; Prices; Series 2; – Index der Erzeugerpreise gewerblicher Produkte (Inlandsabsatz) (Producer Price Index (domestic sales)).

I₀ = 102.4 points = Value of Index (2005 = 100) in base year 2009.

L = Average annual value of the Contractual Wage Index in the Energy Industry of the calendar year preceding the adjustment date.

The Contractual Wage Index for the Energy Industry (together) is published in Series 16 of the German Federal Statistical Office; Series 4.3; Index der tariflichen Stundenverdienste im produzierenden Gewerbe und im Dienstleistungsbereich; Basis 2005 = 100; Früheres Bundesgebiet; WZ 35 (Contractual wage index in industry and service business, former federal territory).

L₀ = 111.6 points = Value of Index (2005 = 100) in base year 2009.

- If the **Working Gas Volume** comprised by the **Jemgum-pack Storage Service**, which is mentioned under Article 2.1 Section 2 c), is reduced according to Article 13 to a value less than 10,000.00 kWh, the **Storage Tariff** according to Section 1 will be adjusted by applying the following formula:

$$E_{\text{new}} = E - 0.85 \times \frac{E}{E_0} \times A \times (10,000.00 \text{ kWh} - V)$$

In this formula the terms mean:

E_{new} = Adjusted **Storage Tariff** for **Jemgum-pack**.

E = **Storage Tariff** for **Jemgum-pack** according to Section 1.

E₀ = **Basic Storage Tariff** for **Jemgum-pack** as per Article 5 Section 1.

A = **Basic Storage Tariff** for **Jemgum-add** applying to **Working Gas Volume** according to Article 5 Section 2 c)

V = **Working Gas Volume** in kWh comprised by the **Jemgum-pack Storage Service** as stated under Article 2.1 Section 2 c)

- The adjusted **Storage Tariff** for **Jemgum-pack** according to Section 2 comes into effect on the first day of the month following the lowering of the **Working Gas Volume** pursuant to Article 13.

4. In case any of the quotations or indices mentioned under Section 1 will not be published anymore or in an altered way being incomparable to the way in which they have been published before, **SEFE Storage** shall - from the time, when the publication in the original way was suspended - be entitled to determine quotations or indices reflecting the economic keynote of the rule for adjusting the **Storage Tariff** as precisely as possible.

Article 7 Long-term Factors

In Jemgum in case of a long-term booking of **Storage Capacities** in the form of the offered **Storage Services Jemgum-pack** and **Jemgum-add** as per Article 2, the following **Long-term Factors** shall apply:

contract duration	factor
≥ 24 months	0.9850
≥ 36 months	0.9700
≥ 48 months	0.9550
≥ 60 months	0.9400
≥ 72 months	0.9250

Article 8 Short-term Factors

For booking the **Jemgum-add Storage Service** in the Jemgum **Storage Location** with duration of less than one **Year** the following **Short-term Factors** shall apply:

contract duration	factor
≥ 6 months	1.050
≥ 3 months	1.100
≥ 1 storage day	1.200

Article 9 Seasonality Factors

For booking the **Jemgum-add Storage Service** with duration of less than one **Year** the following seasonality factors shall apply for certain **months** depending on the type of single service:

- a) **Injection Rate** from April to September: 1.1000
- b) **Withdrawal Rate** from October to March: 1.2000
- c) **Working Gas Volume** from July to December: 2.0000

Article 10 Fee for Exceeding the Storage Capacities

1. The **Fee for Exceeding the Storage Capacities** will be calculated daily by using the **Tariff for Exceeding the Storage Capacities** according to the following Article 11 on the basis of the maximum hourly volume which exceeds 100% of the **Storage Capacities** per **Storage Day**.
2. In case the **Storage Customer's Storage Level** is less than zero (0), **SEFE Storage** shall be entitled but not be obliged to buy and to inject **Natural Gas** which is needed for balancing the **Storage Customer's Storage Account**. The **Storage Customer** shall be obliged to pay 150% of the purchase price as well as all the related costs.

Article 11 Tariff for Exceeding the Storage Capacities

1. The **Tariff for Exceeding the Storage Capacities** shall be:
 - a) **Injection rate:** 2.2 ct/(kWh/h)/d
 - b) **Withdrawal rate:** 2.8 ct/(kWh/h)/d
 - c) **Working Gas Volume:** 13.7 ct/MWh/d
2. All the prices listed here are net prices; any statutory turnover tax that is due shall be charged separately at the applicable tax rate.

Article 12 Rounding procedure

To round the calculations of this **Storage Specification** up or down the intermediate calculations shall be rounded up or down to four (4) decimal places and the final results to two (2) decimal places. If the fifth (5th) or third (3rd) decimal place respectively should be five (5) or more, the sum shall be rounded up, if it is less than five (5), it shall be rounded down.

Article 13 Convergency

1. During the utilisation of salt caverns for natural gas storage, as being conducted in the Jemgum **Storage Location**, the rock pressure may lead to a diminution of the salt caverns in the course of time (convergency). Consequently the serviceable **Working Gas Volume** diminishes.
2. If the Jemgum **Storage Location** is affected by convergency, **SEFE Storage** shall be entitled to reduce the **Working Gas Volumes** stated under Article 2.1 Section 2 c) and Article 2.2 Section 2 at any time. This entitlement shall exist irrespective of the **Storage Services Agreement's First Utilisation Day**.
3. The reduction of the **Working Gas Volume** stated under Article 2.1 Section 2 c) and the **Jemgum-add Working Gas Volume** stated under Article 2.2 that has been contracted at the time of the reduction is limited to the detected ratio of the diminution of the serviceable **Working Gas**

Volume in the overall Jemgum **Storage Location**. SEFE Storage will endeavour to realise the required reduction of the overall **Working Gas Volume** predominantly by reducing offered **Jemgum-add Working Gas Volume** according to Article 2.2 which has not been contracted.

4. The reduction of the **Working Gas Volume** according to Section 2 shall apply to all **Storage Services Agreements**. In case the **Working Gas Volume** stated under Article 2.1 Section 2 c) is reduced, the adjustment of the **Storage Tariff** pursuant to Article 6 Sections 2 and 3 shall apply.

Article 14 First Gas Injection into Caverns

1. After completion of the leaching process the salt caverns are ready for first gas injection. At this moment the salt caverns are still filled with brine and **Natural Gas** has to be injected into them in order to displace the brine (first gas injection).
2. The periods scheduled for first gas injection in the Jemgum **Storage Location** will be disclosed to the **Storage Customer** as early as possible.
3. During first gas injection the Jemgum **Storage Location's** capability for physical gas withdrawal may be shortened.
4. Should the capability of physical gas withdrawal due to a shortening according to Section 3 be insufficient to fulfil the **Nominations** of the **Storage Customers** within their contracted **Withdrawal Rate**, SEFE Storage shall be entitled to adjust these **Nominations** proportionally to the capability of physical gas withdrawal.
5. SEFE Storage will endeavour to conduct the first gas injection of caverns within the period from April 1st to October 1st.

Article 15 Technical Limitations

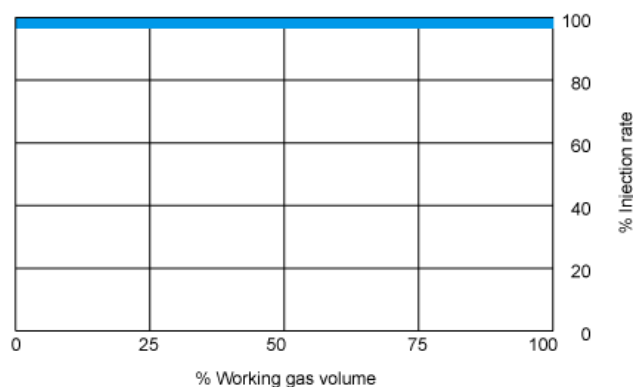
1. All **Storage Capacities** of the **Storage Services** described in 4 shall be subject to the technical limitations listed in Sections 2 to 7, which the **Storage Customer** is informed of according to the **General Terms and Conditions for Storage Access** via the **Nomination Procedure** that is regulated in the **Operating Agreement**.
2. For the operation of the Jemgum **Storage Facility** the following minimum volume flows for withdrawal and injection are necessary:

Sum over both **Delivery Points** 550,000 kWh/h, but not less than 220,000 kWh/h at each of the **Delivery Points**.
3. In the Jemgum **Storage Location** the time required to process a **Renomination** shall be two (2) hours.

4. The sum of all **Customers' Storage Levels** must not stay below 5% of the Jemgum **Storage Location's** overall **Working Gas Volume** for a period longer than 30 **Storage Days** per **Storage Year**.
5. The sum of all **Customers' Storage Levels** must not stay below 20% of the Jemgum **Storage Location's** overall **Working Gas Volume** for a period longer than 90 **Storage Days** per **Storage Year**.
6. Should the sum of all **Customers' Storage Levels** fall to smaller than 5 %, it has to reach 70% of the Jemgum **Storage Location's** overall **Working Gas Volume** in the following period from September 1st to October 1st of a **Storage Year**.
7. In order to comply with the limitations according to Sections 4, 5 and 6 **SEFE Storage** shall be entitled to demand from all **Storage Customers** at any time an adequate injection, which may exceed their contracted **injection rates**.

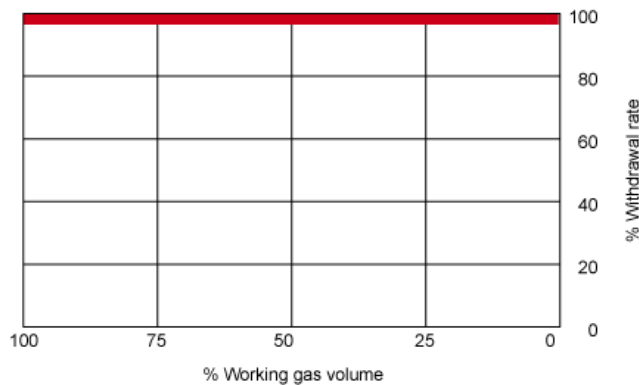
Article 16 Injection and Withdrawal Curves

1. The usage of the **Storage Services** as per Article 2.1 and Article 2.2 is limited by the **Injection and Withdrawal Curves**.
2. The **Injection and Withdrawal Curves** of the Jemgum **Storage Facility** assumed shall apply herein in combination with the **Storage Services** as per Article 2.1 and Article 2.2 also for the corresponding **Storage Services Agreements**.
3. If a percentage of the stored **Working Gas Volume** as per Sections 4 and 5 should be reached, **SEFE Storage** may lower the **Injection** or **Withdrawal Rate** to the percentage specified according to Sections 4 and 5.
4. The **Injection Curve** shows the **Injection Rates** as a function of the **Storage Customer's Working Gas Volume** which it shall be entitled to use.



The available **Injection Rates** of the **Storage Customer** (IR) equal 100% of the contracted, maximum **Injection Rate** at each **Customer's Storage Level** of **Working Gas Volume** (WGV).

- The **Withdrawal Curve** shows the **Withdrawal Rates** as a function of the **Storage Customer's Working Gas Volume** which it shall be entitled to use.



The available **Withdrawal Rates** of the **Storage Customer** (IR) equal 100% of the contracted, maximum **Withdrawal Rate** at each **Customer's Storage Level** of **Working Gas Volume** (WGV).

Article 17 Delivery Points

- The **Points of Injection and Withdrawal** shall correspond to the points at which the Jemgum **Storage Location** is connected to the **Neighbouring Natural Gas Networks**. The **Neighbouring Natural Gas Networks** of the Jemgum **Storage Location** are the natural gas networks operated by GASCADE Gastransport GmbH, Kassel (D) (GASCADE), and Gas Transport Services B. V., Groningen (NL) (GTS).
- Delivery Point** to GASCADE is defined as: „Jemgum I“; Netzkpunkt-ID: 1BMA (allocation procedure: declaratory).
- Delivery Point** to GTS is defined as: „Oude Statenzijl (SEFE Storage Jemgum)“; Netzkpunkt-ID: 301391 (allocation procedure: declaratory)

Article 18 Gas Quality Specifications

For the Jemgum **Storage Facility** the quality parameters published by the **Neighbouring Network Operators** shall apply at the **Delivery Points** listed under Article 17 Section 2 and 3.

Article 19 Changes in the Storage Specification

- SEFE Storage** shall be entitled to change the **Storage Specification** at any time except for Article 4, Article 5 and Article 6. Regardless of

Sentence 1 **SEFE Storage** shall be entitled to changes according to Article 3, Article 6, Section 4, and Article 13 under the conditions stated there. Additional to that **SEFE Storage** shall be entitled to change Article 4, Article 5 and Article 6 at any time as far as these changes are economically neutral updates or amendments without any impact on existing **Storage Services**.

2. With regard to changes in the **Storage Specification** Article 44 of the **General Terms and Conditions for Storage Access** shall apply accordingly. This shall not apply for changes according to Article 3, Article 6, Section 4, and Article 13 as well as changes of Article 15 Sections 4 to 6 and Article 18 of this **Storage Specification**.

Article 20 Provision of Storage Capacities in the event of non-use

1. Pursuant to Article 35b Section 1 Sentence 2 of the German Energy Industry Act ("EnWG"), the filling levels prescribed in Article 35b Section 1 Sentence 2 EnWG or on the basis of an ordinance pursuant to Article 35b Section 7 EnWG must be complied with on certain cut-off dates in every storage facility located in Germany and connected to the German transmission system.
2. **SEFE Storage** is entitled to make available to the market area manager (hereinafter referred to as "**MAM**") all or part of the **Storage Capacities** booked by the **Storage Customer** on a firm basis in accordance with the **Storage Services Agreement** if the **Storage Customer** has not used the **Storage Capacities** booked on a firm basis in time to an extent that technically enables compliance with the level requirements pursuant to Article 35b Section 1 Sentence 2 EnWG as amended from time to time and/or a regulation pursuant to Article 35 Section 6 EnWG as amended from time to time (hereinafter referred to as "**Level Requirements**").

The decision on the provision of **Storage Capacities** shall be based on the **Working Gas Volume** filled by the **Storage Customer** one **Working Day** (Day D-1 **Working Day** (WT)) prior to the delivery of the capacities at 08:00 a.m. If this filled **Working Gas Volume** is not sufficient to reach a certain **Level Requirement** on **Storage Day** D+1, 06:00 a.m., taking into account the level curve, a certain proportional **Working Gas Volume** shall be made available to the **MAM**.

The amount of this pro rata **Working Gas Volume** to be made available is the difference between the filled **Working Gas Volume** necessary to achieve the corresponding **Level Requirement** on the next cut-off date and the **Working Gas Volume** of the **Storage Customer** on **Storage Day** D, 06:00 a.m. This pro rata **Working Gas Volume** shall be made available to the **MAM** from **Storage Day** D, 6:00 a.m. until the end of the **Storage Year**.

The corresponding filling level curve results from the minimum filled **Working Gas Volume** required to achieve the corresponding **Level Requirement** based on the firm booked **Working Gas Volume** as well as the firm booked **Injection Rate** under Article 3 of this **Storage Specification**, taking into account planned downtimes and the **Injection Curve**.

3. Whereas the **Level Requirements** on October 1st and November 1st refer to the **Working Gas Volume** booked by the **Storage Customer**, the **Level Requirement** on February 1st refers to the minimum of i) the **Working Gas Volume** booked by the **Storage Customer** and ii) the **Working Gas Volume** remaining after provision in accordance with figure 2.
4. In addition to the proportional **Working Gas Volume** pursuant to Section 2, the provision to the **MAM** shall also include the contractually agreed maximum firm **Injection** and **Withdrawal Rate** of the **Storage Customer** from **Storage Day D 6:00 a.m.** until the next cut-off date pursuant to the **Level Requirement** as well as the pro rata firm **Withdrawal Rate** from **Storage Day D 06:00** until the end of the **Storage Year**. The share of the firm **Withdrawal Rate** to be made available in percentage of the booked firm **Withdrawal Rate**, corresponds to the share of the firm **Working Gas Volume** of the booked firm **Working Gas Volume**.

From **Storage Day D 06:00 a.m.** until the next cut-off date in accordance with the **Level Requirement**, the **Working Gas Volume** remaining to the **Storage Customer** may be used by means of interruptible and/or firm **Injection Rate** acquired in addition.

From **Storage Day D 06:00 a.m.** until the next cut-off date according to the **Level Requirement**, the **Working Gas Volume** remaining to the **Storage Customer** cannot be used by means of firm and/or interruptible **Withdrawal Rate**.

5. Withdrawals are not permitted in the period from **Storage Day D-1WT 08:00 a.m.** to **Storage Day D 06:00 a.m.** Already existing withdrawal nominations for the period after **Storage Day D-1WT 08:00 a.m.** can be shortened by **SEFE Storage**.

Injections are permitted in the period from **Storage Day D-1WT 08:00 a.m.** to **Storage Day D 06:00 a.m.**, provided that the nominations were made before **Storage Day D-1WT 08:00 a.m.** However, renominations of **Injection Rate** from day D-1WT 08:00 a.m. are no longer possible.

6. **SEFE Storage** shall notify the **Storage Customer** of the amount of **Storage Capacities** to be made available under Sections 2 and 3 on **Storage Day D-1WT** by 08:00 a.m.
7. Notwithstanding the provision of **Storage Capacities** to the **MAM**, the **Storage Customer** shall remain obliged to pay the **Storage Services Fee** in accordance with its **Storage Services Agreements**.

8. Article 22 of the **General Terms and Conditions for Storage Access** shall not apply to the provision of **Storage Capacities** pursuant to this Article 20.
9. **SEFE Storage** shall be entitled at any time to unilaterally adjust the parameters for the calculation of the **Storage Capacities** to be made available to the **MAM** and/or the provisions for the processing/reversal of such provision as set forth in this Article 20, to the extent this is necessary due to legal and/or regulatory requirements. Official requirements within the meaning of the preceding sentence shall include not only legally binding requirements but also guidelines and/or interpretation aids issued by the Federal Network Agency (“Bundesnetzagentur”). Article 19 of the Storage Specification and Article 44 of the **General Terms and Conditions for Storage Access** shall apply to such adjustment, provided that the **Storage Customer** shall not be entitled to terminate its **Storage Services Agreement** as a result thereof.