

REGENT provisions as of 1 January 2020

Cross-market area usage at UGS Jemgum

EWE-REGENT-User-Manual

- non binding –

REGENT provisions as of 1 January 2020

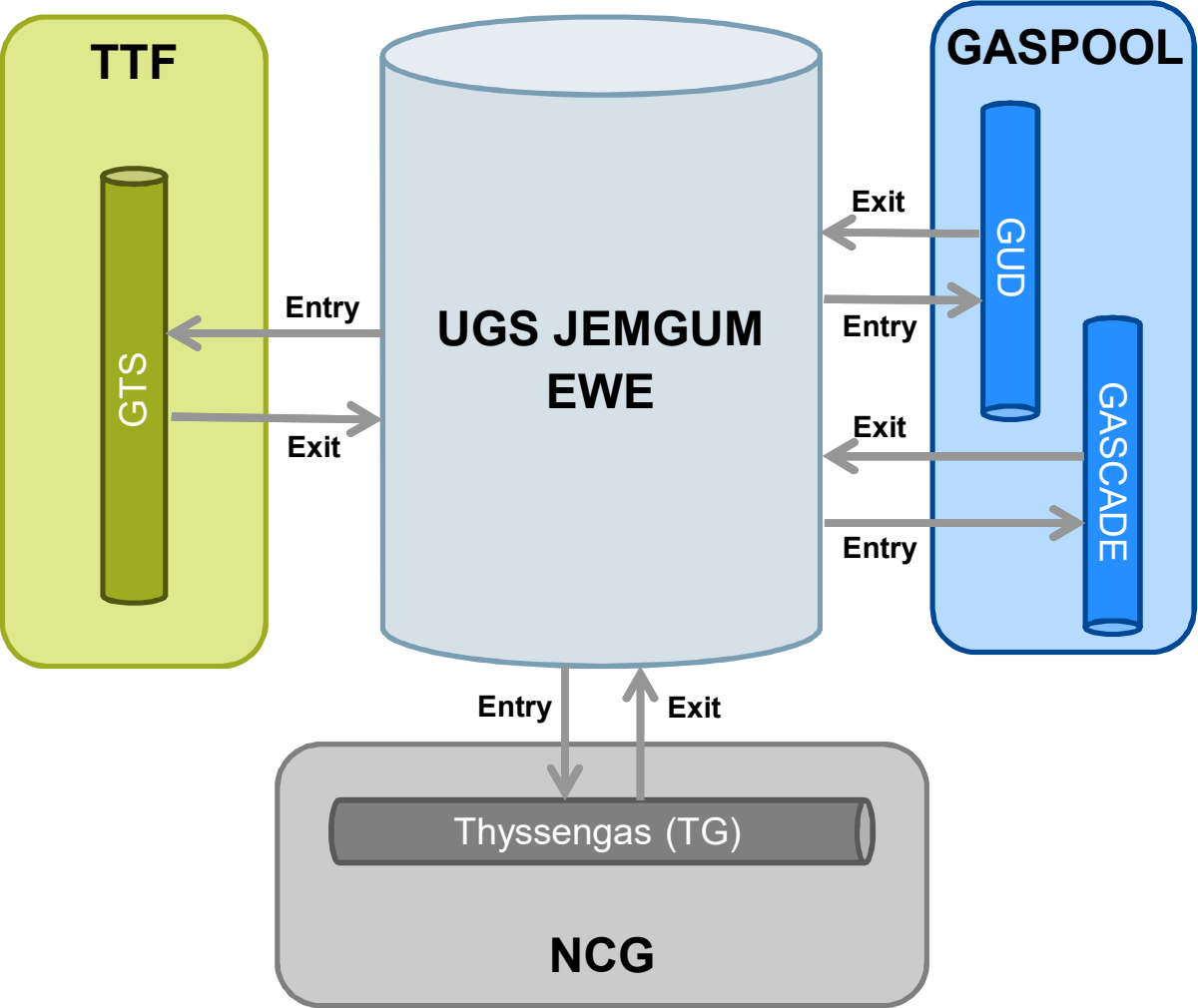


As of 1 January 2020 the provisions of Bundesnetzagentur „*Festlegung einer Referenzpreismethode sowie der weiteren in Art. 26 Abs. 1 der Verordnung (EU) Nr. 2017/460 genannten Punkte für alle im Ein- und Ausspeisesystem NetConnect Germany / GASPOOL tätigen Fernleitungsnetzbetreiber*“ (following: REGENT) apply to the calculation of transmission fees in Germany. In this context the fees for transmission capacities at storage facilities will be reduced by granting a 75% discount.

Some special provisions relating to the transmission fee discount are applicable to storage facilities in Germany which are connected to more than one market area or to the market area of a neighbouring country and which allow a “cross-market area usage”.

Due to the fact that the Jemgum storage facility is connected to several market areas (GASPOOL, NCG and TTF), EWE GASSPEICHER GmbH as the storage system operator (SSO) has to demonstrate the compliance with the REGENT provisions to the TSO(s). This is a precondition for TSOs to offer discounted transmission fees to storage customers for a „single-market area usage“.

UGS Jemgum connected to several market areas

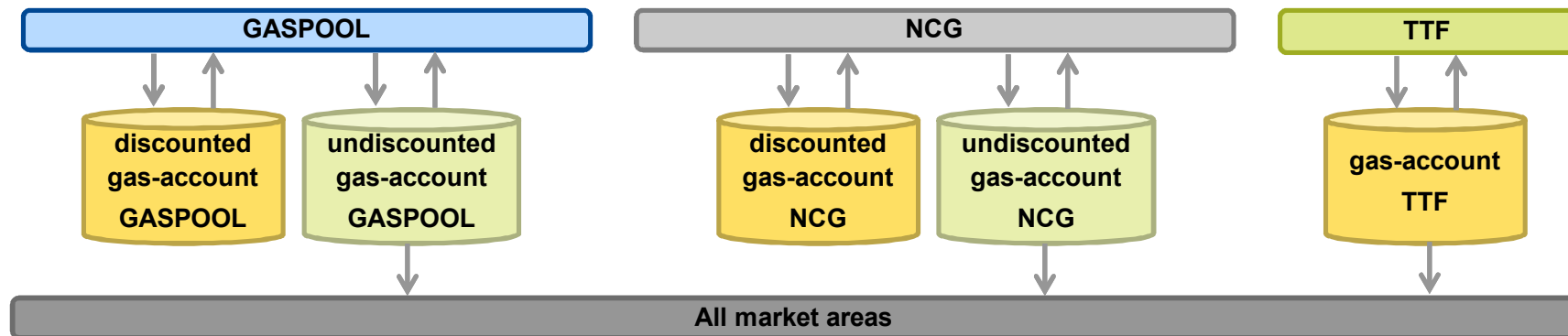


Set up of separate gas-accounts

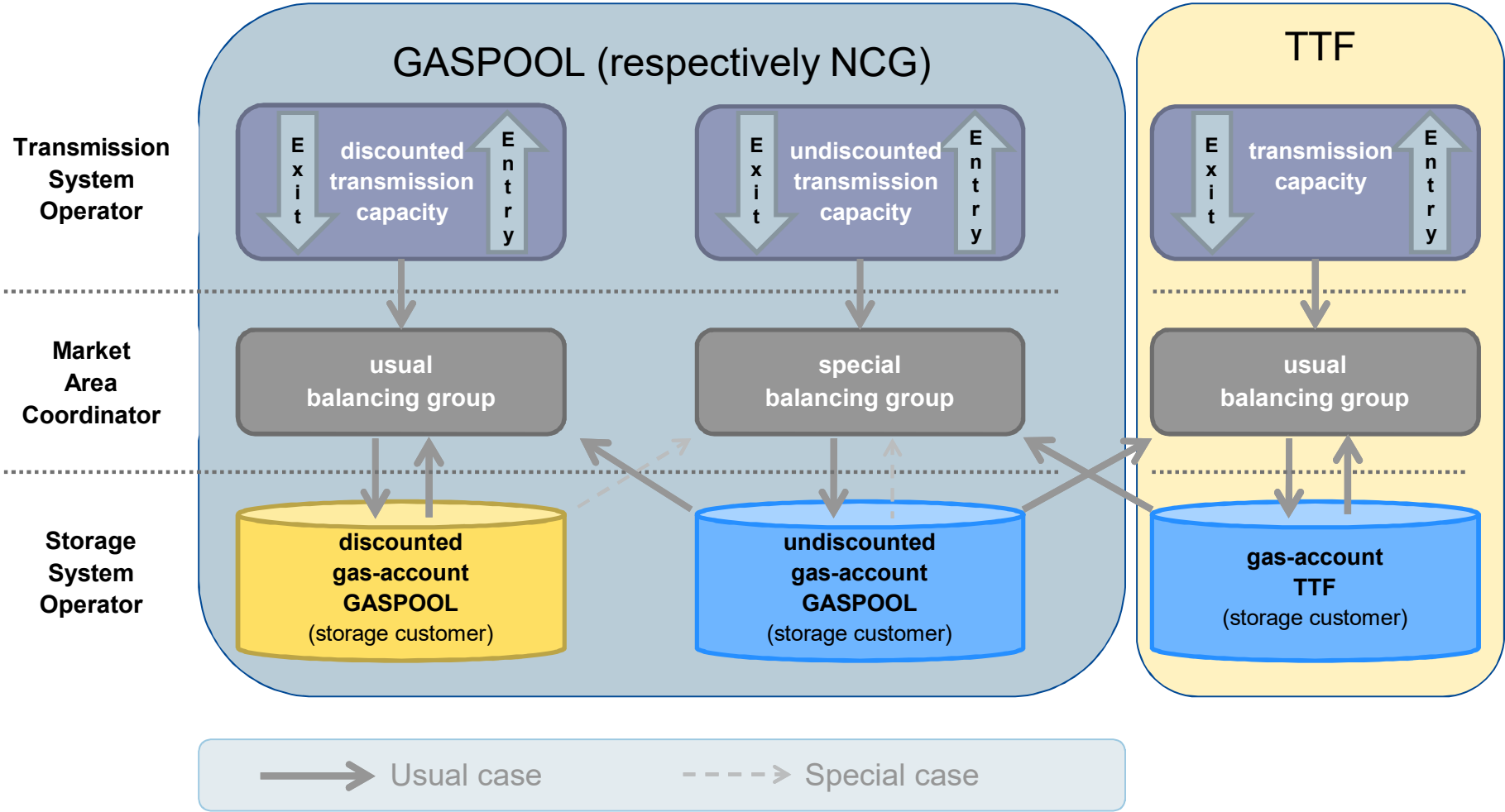
The storage customer has the possibility to book discounted or undiscounted entry and exit transmission capacity at the Jemgum storage connection points to the GASPOOL and NCG market areas (with separate balancing groups for discounted and undiscounted transmission capacity).

The SSO has to set up and operate corresponding discounted and undiscounted gas-accounts for each storage customer to fulfill the provisions according to REGENT.

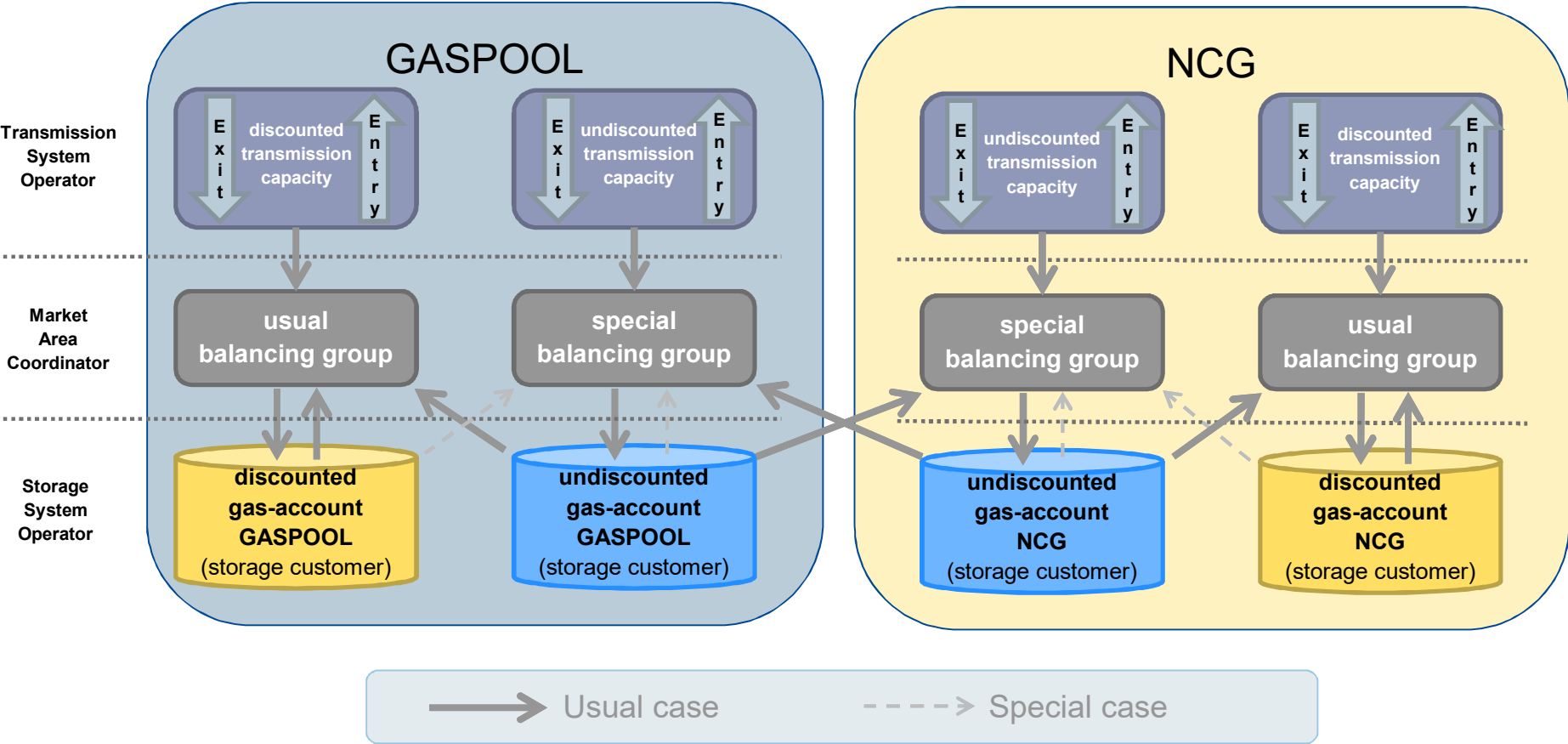
As the Jemgum storage facility is connected to three market areas, the SSO has to set up discounted gas-accounts and undiscounted gas-account for each market area, which is used by the storage customer.



Balancing groups for discounted and undiscounted transmission capacity



Balancing groups for discounted and undiscounted transmission capacity



Utilization of the storage service: cross-market area and/or single-market area



The storage customer has in general two possibilities to use the storage service in the connected market areas GASPOOL and NCG:

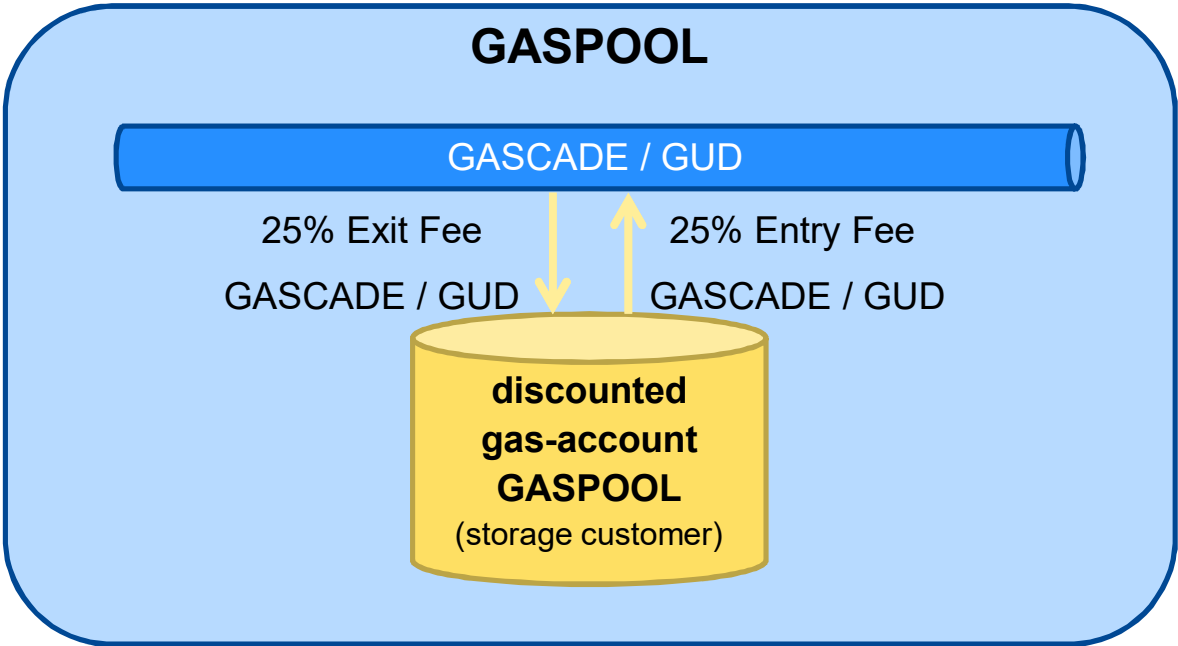
1. Single-market area usage: use of discounted gas-accounts
⇒ the storage customer gets a transmission fee discount of 75% (see scenario 1*)
2. Cross-market area usage: use of undiscounted gas-accounts
⇒ the storage customer gets no transmission fee discount (see scenario 2*)

The storage customer can use these possibilities separately or in parallel.

Cross-border usage D↔NL is also possible and will be described in scenario 3.

* cf. scenarios below

Scenario 1: Single-market area usage: use of discounted gas-accounts



This example is similar for the discounted gas-account NCG/TG

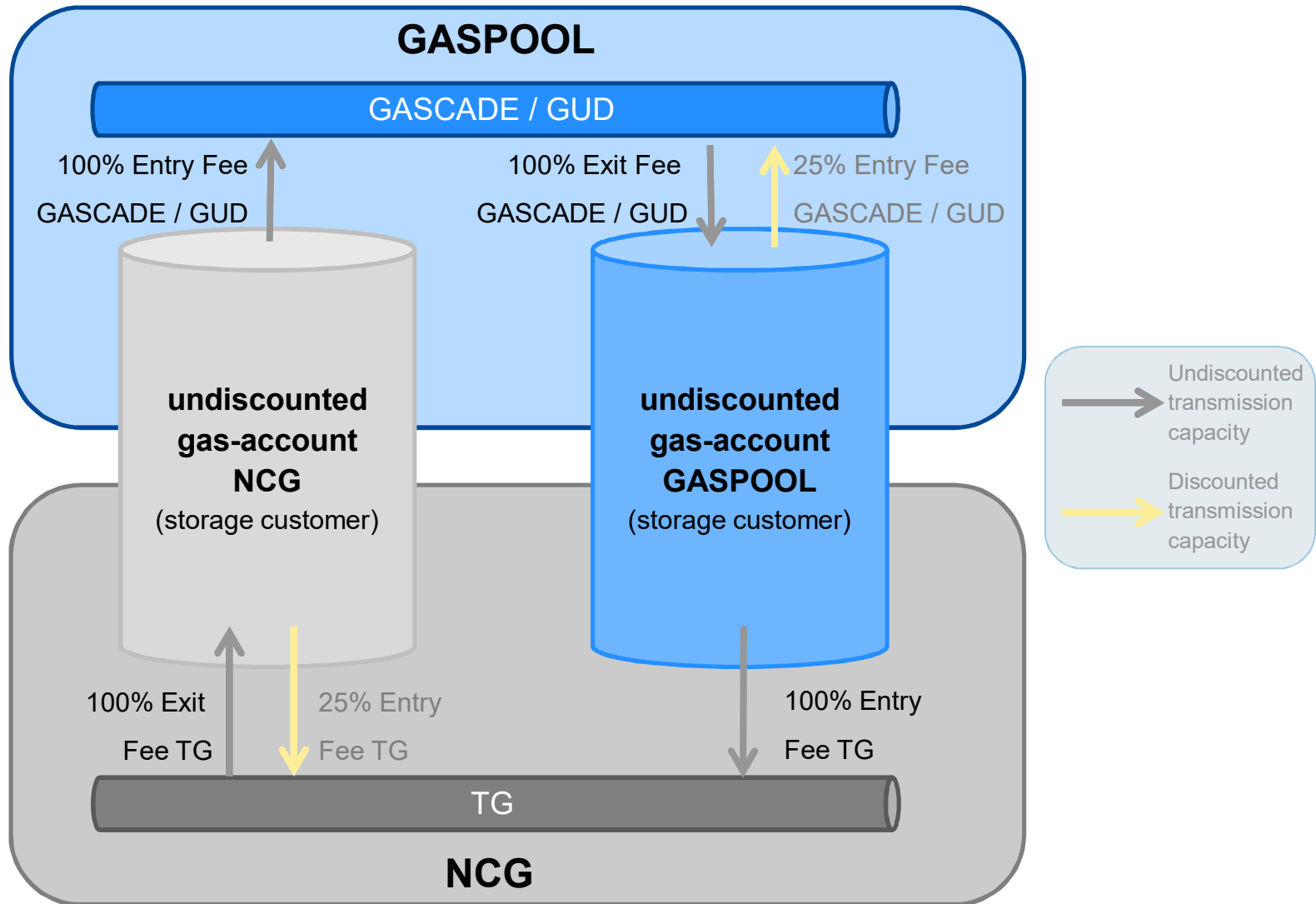
Scenario 1: Single-market area usage: use of discounted gas-accounts

The storage customer uses the storage service „single-market“, e.g. GASPOOL (GASCADE / GUD):

- The storage customer has booked discounted exit and discounted entry capacity with GASCADE / GUD
- The storage customer nominates exit from and entry into the GASCADE / GUD system and the corresponding injection and withdrawal towards the SSO
⇒ all injected and withdrawn gas-volumes will be allocated to the discounted gas-account GASPOOL

! The storage customer can use all discounted gas-accounts in parallel, but they have to be operated separately **!**

Scenario 2: Cross-market area usage GASPOOL ↔ NCG: use of undiscounted gas-accounts



Scenario 2: Cross-market area usage GASPOOL ↔ NCG: use of undiscounted gas-accounts



The storage customer uses the storage service „cross-market“:

- The storage customer has booked undiscounted exit and undiscounted entry capacity with the respective TSOs (e.g. GASCADE / GUD and TG)
 - ➔ for the booking of undiscounted capacity the storage customer has to enter into a special balancing group contract for undiscounted capacity with the respective market area coordinator
- The storage customer nominates exit from the GASCADE / GUD system and the corresponding injection towards the SSO (with the corresponding shipper code for the undiscounted gas-account)
 - ⇒ the injected gas-volumes will be allocated to the undiscounted gas-account GASPOOL

Scenario 2: Cross-market area usage GASPOOL ↔ NCG: use of undiscounted gas-accounts

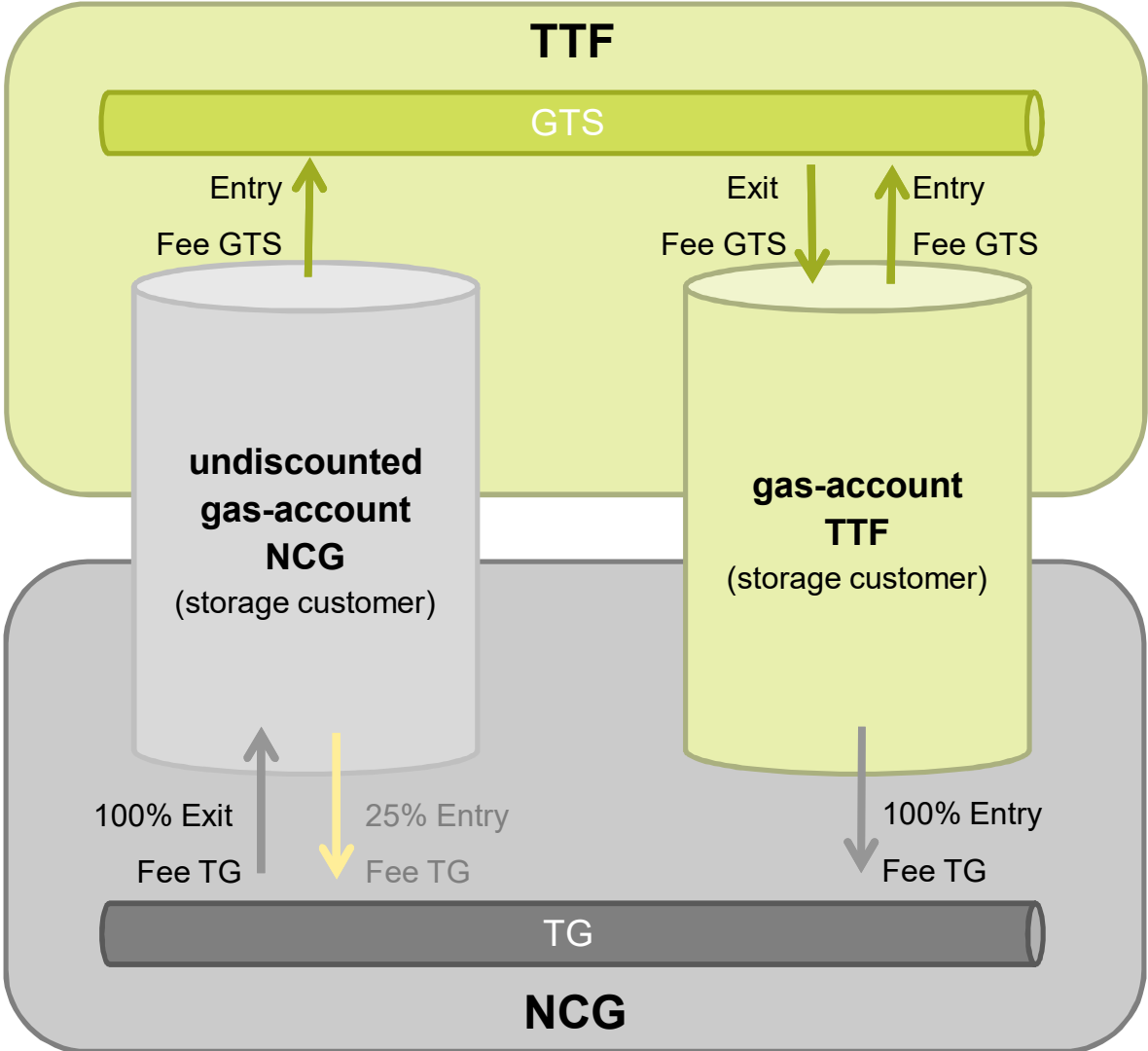
EWE

The storage customer nominates withdrawal towards the SSO (with the corresponding shipper code for the undiscounted gas-account) and the corresponding entry into the TG system

⇒ the withdrawn gas-volumes will be allocated to the undiscounted gas-account NCG

! If the storage customer intends to withdraw the gas on the undiscounted gas-account into the original market area instead, the storage customer can use a discounted capacity with the corresponding shipper code for the discounted gas-account of the original market area (see yellow arrows in the picture on slide 10) **!**

Scenario 3: Cross-border usage NL ↔ D (e.g. NCG)



Legend for transmission capacity:

- Black arrow: Undiscounted transmission capacity
- Yellow arrow: Discounted transmission capacity

Scenario 3: Cross-border usage NL ↔ D



For the cross-border usage between NL and D, the storage customer uses the undiscounted gas-accounts for the German market area and the gas-account for the Dutch market area:

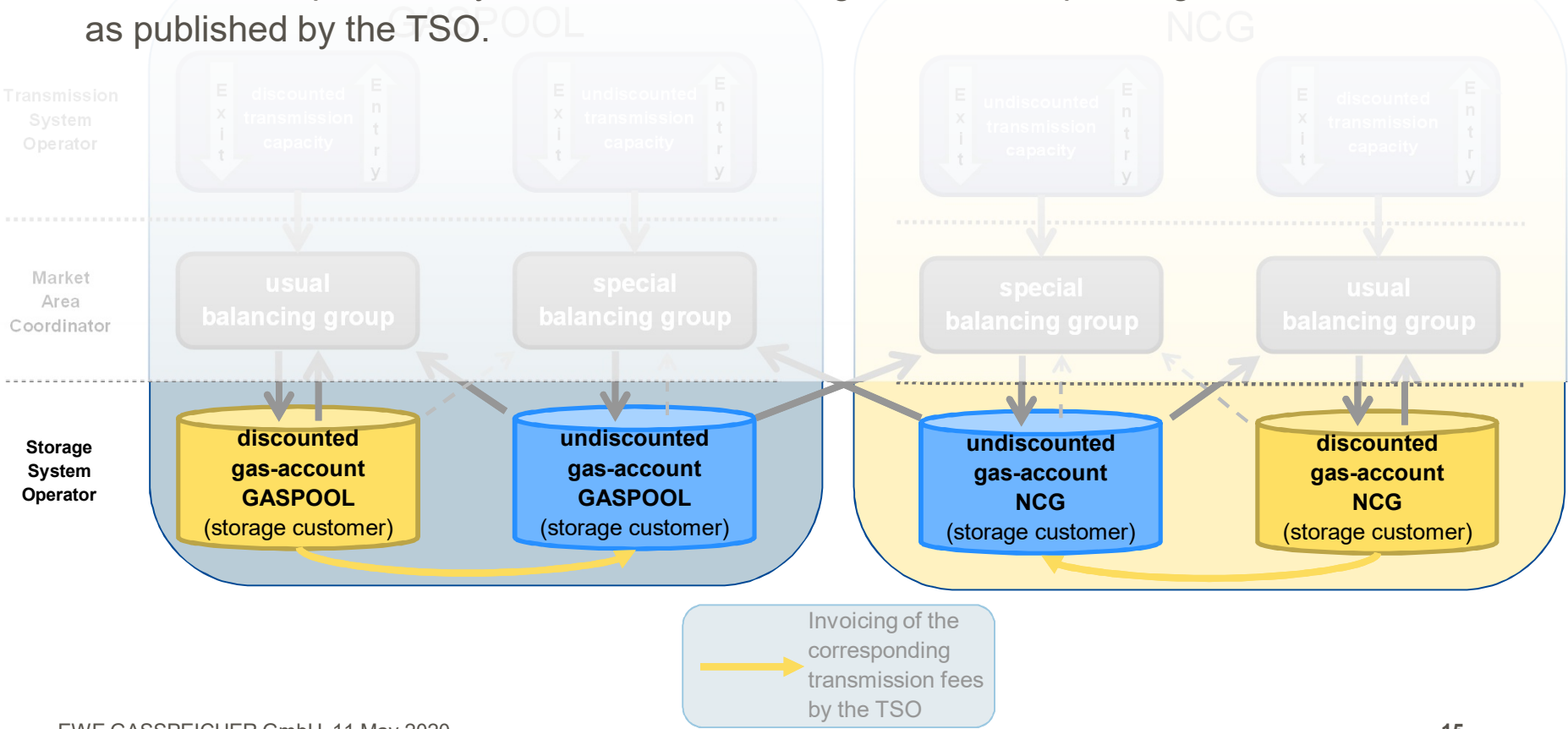
- The storage customer has booked entry or exit capacity with GTS and undiscounted entry or exit capacity with the respective TSO in D, e.g. TG

E.g. NL -> D:

- The storage customer nominates exit from the GTS system towards the gas-account GTS and the corresponding injection towards the SSO
- The storage customer nominates withdrawal towards the SSO (with the corresponding shipper code for the undiscounted gas-account) and the corresponding entry to the TG system

Special case: Transfer from a discounted gas account to an undiscounted gas account in the same market area **EWE**

A transfer from a discounted gas account to an undiscounted gas account of the same market area is possible if a transmission network operator of the corresponding market area makes it possible by means of an invoicing of the corresponding transmission fee as published by the TSO.



Miscellaneous



- A transfer of gas volumes between discounted gas-accounts of different market areas is not possible.
- A transfer of gas volumes between two storage customers is only possible between undiscounted gas-accounts of the same market area or between discounted gas-accounts of the same market area (e.g. a transfer from the discounted gas-account GASPOOL of customer A to the discounted gas-account GASPOOL of customer B).