

Annex 1: List of the Message Types of the “Transparency in Energy Markets” Platform (TEM List)

Power		Production	Consumption	Storage	Transmission
Capacity	Installed capacity	TEM 1a	TEM 14	TEM 22	–
Use	Planned production	TEM 5a/5b	TEM 16	–	–
	Actual production	TEM 10a/10b	TEM 18	TEM 24	–
Availability	Planned/unscheduled non-usabilities	TEM 12	TEM 20	TEM 26	–

Natural gas		Production	Consumption	Storage	Transmission
Capacity	Installed capacity	–	TEM 15	–	TEM 23a
Use	Planned production	–	TEM 17	–	–
	Actual production	–	TEM 19	–	TEM 25a
Availability	Planned/unscheduled non-usabilities	–	TEM 21	–	TEM 27 TEM 28 TEM 29

Power/Natural gas		All stages of the value chain
Others	Beginning/end of reporting and shareholders	TEM 0
	Ad-hoc Ticker	TEM 13a

1. Power: Generation

Message type (M/A)^{1, 6}	TEM 1a: Installed generation capacity/available capacity
Reason	Art. 4 para. 1 REMIT/art. 14 para. 1 lit b Transparency Regulation
Reporting company	Power plant operator
Power generating unit	For conventional and renewable generation units of any size, also for pump storage units in turbine operation
Granularity	Per power generating unit Installed capacity: individual values with to-the-day precision
Time	Installed capacities: at the latest by 15 November, 11:45 am (CET/CEST) of the current calendar year
Period	Installed capacity: current year and (at least) three following years
Publication	Installed capacity: per power generation unit

Message type (M)^{1, 7}	TEM 5a: Planned production
Reason	Art. 4 para. 1 REMIT/art. 14 para. 1 lit c Transparency Regulation
Reporting company	Power plant operator
Power generating unit	For conventional and renewable generation units, also for pump storage units with a net nominal output in turbine operation
Granularity	Per power generation unit To-the-hour precision in MW
Time	Daily until 17:55 (CET/CEST)
Period	24 hours of the following day
Publication	Aggregated per fuel

Message type (M)⁸	TEM 5b: Planned production
Reason	Art. 4 para. 1 REMIT/art. 14 para. 1 lit c Transparency Regulation
Reporting company	Power plant operator in Germany and Austria, optional all power plant operators
Power generating unit	For conventional and renewable generation units, also for pump storage units with a net nominal output in turbine operation
Granularity	Per power generation unit To-the-15 minutes precision in MW
Time	Daily until 17:55 (CET/CEST)
Period	96 quarter of hours of the following day
Publication	Aggregated per fuel

Message type (M)¹	TEM 10a: Actual production
Reason	Art. 4 para. 1 REMIT/art. 16 para. 1 lit a Transparency Regulation
Reporting company	Power plant operator
Power generating unit	For conventional and renewable generation units of any size, also for pump storage units in turbine operation
Granularity	Per power generation unit To-the-hour precision in MW
Time	Hourly (H+1) at least for units ≥ 100 MW Daily (D+1, 15:45) optional for units < 100 MW if not reported H+1
Period	1 hour
Publication	D, H+1: aggregated per fuel for units ≥ 100 MW D+1, 16:30: aggregated per fuel for all units D+5: per power generation unit for units ≥ 100 MW

Message type (M)⁸	TEM 10b: Actual production
Reason	Art. 4 para. 1 REMIT/art. 16 para. 1 lit a Transparency Regulation
Reporting company	Power plant operator in Germany and Austria, optional all power plant operators
Power generating unit	For conventional and renewable generation units of any size, also for pump storage units in turbine operation
Granularity	Per power generation unit To-the-15 minutes precision in MW
Time	Hourly (H+1) at least for units \geq 100 MW Daily (D+1, 15:45) optional for units < 100 MW if not reported H+1
Period	4 values for the previous hour
Publication	D, H+1: aggregated per fuel for units \geq 100 MW D+1, 16:30: aggregated per fuel for all units D+5: per power generation unit for units \geq 100 MW

Message type (M)^{1; 11}	TEM 12: Planned/unscheduled non-usability
Reason	Art. 4 para. 1 REMIT/art. 15 para. 1 lit a-d Transparency Regulation
Reporting company	Power plant operator
Power generating unit	For conventional and renewable generation units of any size, also for pump storage units in turbine operation
Granularity	Per power generation unit To-the-minute precision (at least during situations with restrictions of output of 100 MW for a period of one hour; however, also possible as of a restriction of output by 10 MW for a period of 15 minutes)
Time	Immediately after such become known and at the latest within one hour after the non-usability becomes known
Period	Current year and the following three calendar years, optional possible for the following five calendar years as well, with the beginning of the non-usability being decisive.
Publication	Per power generation unit

2. Power: Consumption

Message type (M) ^{2, 6}	TEM 14: Installed capacity
Reason	Art. 4 para. 1 REMIT
Reporting company	Power consumption unit operator
Power consumption unit	≥ 10 MW, pump storage units in pumping operation report in "Power: Storage"
Granularity	Per consumption unit Installed capacity: individual values with to-the-day precision
Time	Reporting at the latest on 15 November, 11:45 (CET/CEST) in the current calendar year
Period	Installed capacity: current year and (at least) 3 following years
Publication	Installed capacity: per power consumption unit

Message type (M) ²	TEM 16: Planned consumption
Reason	Art. 4 para. 1 REMIT
Reporting company	Power consumption unit operator
Power consumption unit	≥ 10 MW, pump storage units in pumping operation report in "Power: Storage"
Granularity	Per consumption unit To-the-hour precision
Time	Daily, until 17:55 (CET/CEST)
Period	24 hours of the following day
Publication	Aggregated per country

Message type (M)²	TEM 18: Actual consumption
Reason	Art. 4 para. 1 REMIT
Reporting company	Power consumption unit operator
Power consumption unit	≥ 10 MW, pump storage units in pumping operation report in “Power: Storage“
Granularity	Per consumption unit To-the-hour precision
Time	Hourly (H+1)
Period	1 hour
Publication	Aggregated per country

Message type (M)^{2, 11}	TEM 20: Non-usability
Reason	Art. 4 para. 1 REMIT/Art. 7 para. 1 lit a/b Transparency Regulation
Reporting company	Power consumption unit operator
Power consumption unit	≥ 10 MW, pump storage units in pumping operation report in “Power: Storage“
Granularity	Per power consumption unit To-the-minute precision (at least during restriction of output by 100 MW for a period of one hour; however, also possible as of a restriction of output by 10 MW for a period of 15 minutes)
Time	Immediately, however, at the latest within one hour after the non-usability becomes known
Period	Current year and the following three calendar years, optional possible for the following five calendar years as well, with the beginning of the non-usability being decisive
Publication	Per power consumption unit ⁹

3. Power: Storage

Message type (M)	TEM 22: Pumping capacity/working capacity
Reason	Art. 4 para. 1 REMIT
Reporting company	Power storage facility operator
Power storage unit	Without threshold value
Granularity	Per storage unit or as a summary of the storage units located at the site Installed capacity: individual values with to-the-day precision Working capacity: maximum working capacity of the upper reservoir
Time	At the latest on 15 November, 11:45 (CET/CEST) of the current calendar year
Period	Installed capacity: current year and following year Working capacity: current year and following year
Publication	Installed capacity: per power storage unit Working capacity: per power storage unit

Message type (M)	TEM 24: Filling level
Reason	Art. 4 para. 1 REMIT/Art. 16 para. 1 lit d Transparency Regulation
Reporting company	Power storage facility operator
Power storage unit	Without threshold value
Granularity	Per storage unit or as a summary of the storage units located at the site Filling level of the upper reservoir: individual values with to-the-day precision
Time	Daily, 8:55 (CET/CEST)
Period	Filling level at 12:00 midnight of the previous day
Publication	Aggregated per country

Message type (M) ¹¹	TEM 26: Non-usability
Reason	Art. 4 para. 1 REMIT
Reporting company	Power storage facility operator
Power storage unit	Without threshold value
Granularity ⁵	Per storage unit or as a summary of the storage units located at the site To-the-minute precision (at least in the event of a performance restriction of 100 MW over one hour; however, also possible as of a restriction of output by 10 MW for a period of 15 minutes)
Time	Immediately; however, at the latest within a period of one hour after the non-usability becomes known
Period	Current year and the following three calendar years, optional possible for the following five calendar years as well, with the beginning of the non-usability being decisive.
Publication	Per power storage unit ⁹

4. Natural gas: Consumption

Message type (M)^{3, 6}	TEM 15: Installed capacity
Reason	Art. 4 para. 1 REMIT
Reporting company	Natural gas consuming unit operator
Natural gas consumption unit	≥ 20 MW (thermal output) possible
Granularity	Per natural gas consuming unit or in total for all natural gas consuming units located at the site Installed capacity: individual values with to-the-day precision
Time	At the latest on 15 September, 11:45 (CET/CEST) of the current calendar year
Period	Current year and (at least) 3 following years
Publication	Per natural gas consumption unit

Message type (M)³	TEM 17: Planned consumption
Reason	Art. 4 para. 1 REMIT
Reporting company	Natural gas consuming unit operator
Natural gas consumption unit	≥ 20 MW (thermal output) possible
Granularity	Per gas consuming unit or in total for all natural gas consuming units located at the site To-the-day precision as per gas delivery day (6:00 am to 6:00 am (CET/CEST))
Time	Daily, until 17:55 (CET/CEST)
Period	Following gas delivery day
Publication	Aggregated per market area

Message type (M)³	TEM 19: Actual consumption
Reason	Art. 4 para. 1 REMIT
Reporting company	Natural gas consuming unit operator
Natural gas consumption unit	≥ 20 MW (thermal output) possible
Granularity	Per natural gas consuming unit or per site as a summary of existing natural gas consuming units To-the-day precision as per gas delivery day (6:00 am to 6:00 am (CET/CEST))
Time	Until 12:00 noon (CET/CEST)
Period	Expired gas delivery day
Publication	Aggregated per market area

Message type (M)^{3, 11,12}	TEM 21: Non-usability
Reason	Art. 4 para. 1 REMIT
Reporting company	Natural gas consuming unit operator
Natural gas consumption unit	≥ 20 MW (thermal output) possible
Granularity	Per natural gas consuming unit or as a summary of existing natural gas consuming units located at the site To-the-minute precision (at least for restriction of performance of 200 MW for a period of one hour; however, also possible as of a restriction of performance of 20 MW for a period of 15 minutes)
Time	Immediately; however, at the latest within one hour after the non-usability becomes known
Period	Current year and the following three calendar years, optional possible for the following five calendar years as well, with the beginning of the non-usability being decisive.
Publication	Per natural gas consuming unit ⁹

5. Natural gas: Storage

Message type (M)^{3, 6}	TEM 23a: Installed capacity
Reason	Art. 4 para. 1 REMIT
Reporting company	Natural gas storage operator and / or market participant
Natural gas storage unit	For storage units of any size possible per natural gas storage unit or in total for all natural gas storage units located at the site
Granularity	Per natural gas storage unit or in total for all natural gas consuming units located at the site Technical capacity: individual values with to-the-day precision Injection capacity: individual values with to-the-day precision Withdrawal capacity: individual values with to-the-day precision
Time	At the latest on 15 September, 11:45 (CET/CEST) of the current calendar year
Period	Current year and (at least) 3 following years
Publication	Per natural gas storage unit

Message type (M)³	TEM 25a: Filling level, injection, withdrawal and contracted capacity
Reason	Art. 4 para. 1 REMIT
Reporting company	Natural gas storage unit operator
Natural gas storage unit	For storage units of any size possible per natural gas storage unit (Filling level, injection, withdrawal) Optional possible for contracted market participants inclusive the storage operator (filling level)
Granularity	Per natural gas storage unit as summary of market participants To-the-day precision as per gas day (6:00 am to 6:00 am (CET/CEST))
Time	Daily, until 11:45 (CET/CEST)
Period	Actual filling level at the end of the gas day Injection and withdrawal in the course of the day
Publication	Aggregated per country

Message type (M) ^{3, 11,12}	TEM 27: Non-usability injection capacity
Reason	Art. 4 para. 1 REMIT
Reporting company	Natural gas storage unit operator and / or market participant
Natural gas storage unit	For storage units of any size possible per natural gas storage unit or in total for all natural gas consuming units located at the site
Granularity	To-the-minute precision Possible for non-usabilities of injection capacity bigger or equal 0.01 GWh/d
Time	Immediately; however, at the latest within one hour after the non-usability becomes known
Period	Current year and the following three calendar years, optional possible for the following five calendar years as well, with the beginning of the non-usability being decisive.
Publication	Per natural gas storage unit ⁹

Message type (M) ^{3, 11,12}	TEM 28: Non-usability withdrawal capacity
Reason	Art. 4 para. 1 REMIT
Reporting company	Natural gas storage unit operator and / or market participant
Natural gas storage unit	For storage units of any size possible per natural gas storage unit or in total for all natural gas consuming units located at the site
Granularity	To-the-minute precision Possible for non-usabilities of withdrawal capacity bigger or equal 0.01 GWh/d
Time	Immediately; however, at the latest within one hour after the non-usability becomes known
Period	Current year and the following three calendar years, optional possible for the following five calendar years as well, with the beginning of the non-usability being decisive.
Publication	Per natural gas storage unit ⁹

Message type (M) ^{3, 11,12}	TEM 29: Non-usability storage
Reason	Art. 4 para. 1 REMIT
Reporting company	Natural gas storage unit operator and / or market participant
Natural gas storage unit	For storage units of any size possible per natural gas storage unit or in total for all natural gas consuming units located at the site
Granularity	To-the-minute precision Possible for non-usabilities of the storage bigger or equal 0.0001 TWh
Time	Immediately; however, at the latest within one hour after the non-usability becomes known
Period	Current year and the following three calendar years, optional possible for the following five calendar years as well, with the beginning of the non-usability being decisive.
Publication	Per natural gas storage unit

6. Ad-hoc Ticker

Message type (M) ¹⁰	TEM 13a: Ad-hoc Ticker
Reason	Art. 4 para. 1 in conjunction with Art. 2 para. 1 and, in particular, lit. c, d REMIT
Reporting company	Market participant
Unit	Without threshold value or restriction, text messages according to Art. 2 para 1 and, especially, lit c, d of REMIT
Granularity	Text messages in English language with at a maximum 500 characters including blanks and special characters, the transparency platform ensures that the company name precedes the text message transmitted as a short name This message type contains further aspects, such as the beginning and the end of the event as well as its status
Time	Immediately; however, at the latest within a period of one hour after the message becomes known
Period	Current year plus following years
Publication	To-the-message precision

7. Beginning and end of reporting and shareholder

Message type (M) ¹⁰	TEM 0: Beginning/end of reporting and shareholder
Reason	For all units
Reporting company	Market participant
All units	For all units beginning and end of reporting. In addition the names of further shareholders, their ACER codes as well as, optionally, the respective shareholding can be transmitted.
Granularity	Per unit
Time	Immediately after the message becomes known
Period	Day
Publication	To-the-message precision

M Mandatory data

- 1 On 26th February 2014, the Working Committee decided to move the AddOn message types into the TEM segment and to permit these messages for power generation units of any size in accordance with art. 5 para. 2 of the Data Provision Agreement. Optionally, non-usabilities can be reported from 10 MW per 15 min. After the completed replacement of the message types AddOn 1 and 2 per reporting company, the rules of the corresponding TEM message types apply.
- 2 On 26th February 2014, the Working Committee adopted the resolution to adjust the lower limit for messages in the field of power consumption to 10 MW in accordance with art. 5 para. 2 of the Data Provision Agreement. As an option, non-usabilities can be reported from 10 MW per 15 min.
- 3 On 26th February 2014, the Working Committee adopted the resolution to create the possibility for messages in the field of natural gas consumption from 200 MW in accordance with art. 5 para. 2 of the Data Provision Agreement. As an option, non-usabilities can be reported from 200 MW per hour. On 28th September 2016, the Working Committee adopted the resolution to create the possibility for messages in the field of natural gas consumption from 20 MW in accordance with art. 5 para. 2 of the Data Provision Agreement. As an option, non-usabilities can be reported from 20 MW per hour.
- 4 On 9th October 2014, the Working Committee adopted the resolution that AddOn 2 messages shall be reported daily by 9.15 and 15.15 instead of 9.45 and 15.45.
- 5 On 9th October 2014, the Working Committee adopted the resolution that non-usabilities can be optionally reported from 10 MW per 15 min in the field of power storage in accordance with art. 5 para. 2 of the Data Provision Agreement.
- 6 On 4th March 2015, the Working Committee adopted the resolution in accordance to art. 5 para 2 of the data delivery contract that the message types TEM 1a, 14 and 15 shall be simplified and that the reporting of the Available Energy respectively the Usable Energy is no longer necessary.
- 7 On 4th March 2015, the Working Committee adopted the resolution in accordance to art. 5 para 2 of the data delivery contract to align message type TEM 5a to 10a and to open it for units smaller than 100 MW.
- 8 On 4th March 2015, the Working Committee adopted the resolution in accordance to art. 5 para 2 of the data delivery contract to introduce the message types TEM 5b and 10b which allow data submissions on a 15 minutes basis.
- 9 On 4th November 2015, the Working Committee adopted the resolution in accordance to art. 5 para 2 of the data delivery contract to disclose data for the message types 20, 21, 26, 27 and 28 non-anonymous on a per unit basis.
- 10 On 22th February 2016, EEX informed the Working Committee about adjustment of the TEM 0 and TEM 13a message types in accordance to art. 5 para 1 of the data delivery contract. This adjustment is necessary in order to permit the representation of the data required by ACER in the REMIT RSS feed.
- 11 On 29th June 2018, the Working Committee adopted the resolution in accordance to art. 5 para 2 of the data delivery contract. As an option, non-usabilities (message types 12, 20, 21 and 26) can be reported for the following five calendar years.
- 12 On 28th June 2019, the Working Committee adopted the resolution that non-usabilities in the field of gas storage (TEM 21) can be optionally reported from 20 MW per 15 minutes in accordance with art. 5 para. 2 of the data delivery contract.

13 On 4th December 2019, the Working Committee decided to abolish the reports on available capacity (TEM 1a) as of 31.12.2019. The installed capacity message in message type TEM 1a remains unaffected.