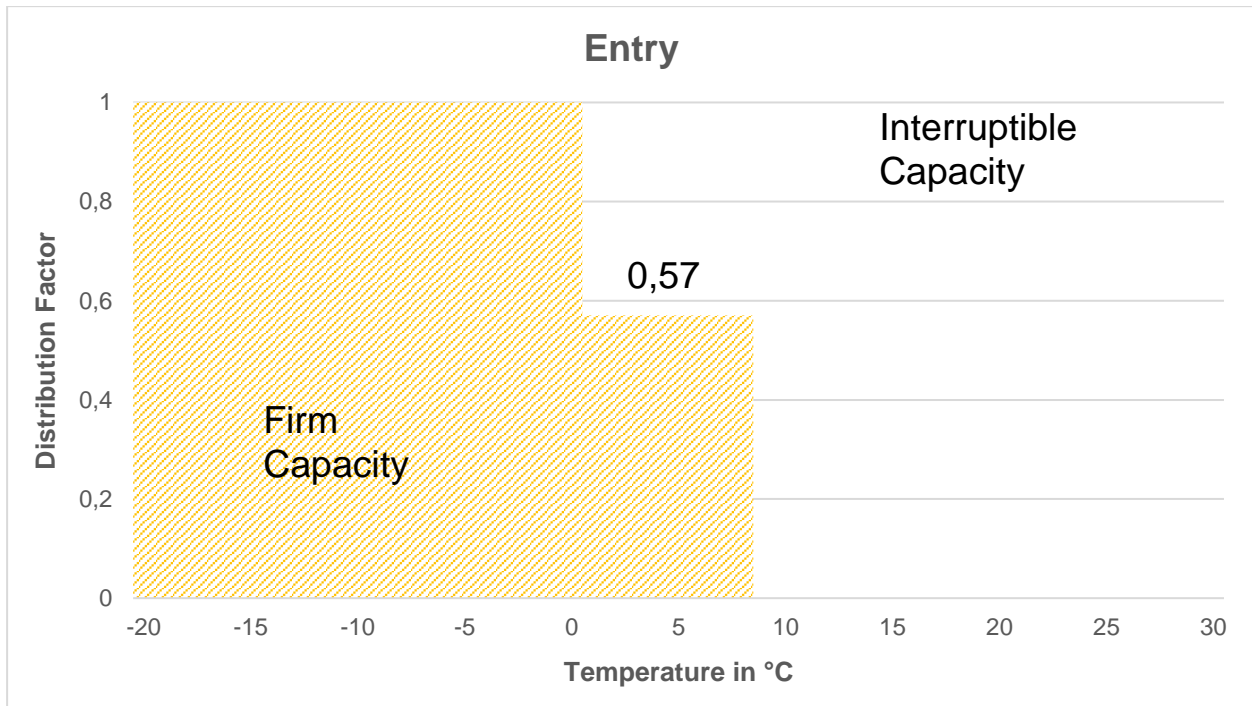# Temperature curve for calculation of distribution factor

for conditional firm, freely allocable capacity (bFZK)
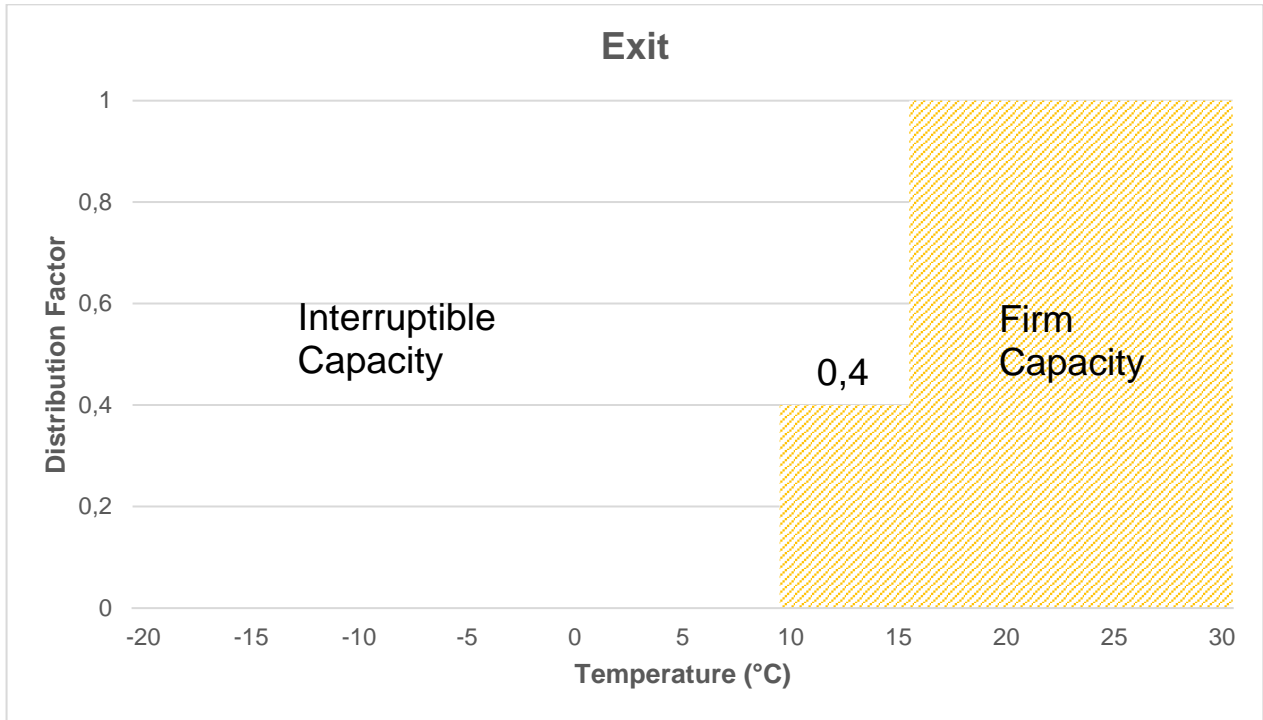
Temperature curve for <u>Entry</u> into the grid of ONTRAS for all Storage Points:

Temperature Range	Distribution Factor[1]
T ≤ 0 °C	1
0 °C < T ≤ 8 °C	0.57
T > 8 °C	0

[1]Factor for calculation of the <u>firm</u> part of the bFZK capacity product

Temperature curve for <u>Exit</u> from the grid of ONTRAS for all Storage Points:

Exit

Temperature Range	Distribution Factor[1]
T ≥ 16 °C	1
16 °C > T ≥ 10 °C	0,4
T < 10 °C	0

[1]Factor for calculation of the <u>firm</u> part of the bFZK capacity product

•●ONTRAS

Calculation example

For the calculation of the firm useable part of the booked bFZK at a storage facility in exit direction.

Initial situation:

- booked bFZK exit capacity at the ONTRAS grid: 1,000 kWh/h
- forecasted daily average temperature in the grid of ONTRAS: 15 °C
  ➔ distribution factor: 0.4
▪
▪

Calculation of firm and interruptible useable parts of booked bFZK:

- 1,000 kWh/h · 0.4 = 400 kWh/h (firm)
- 1,000 kWh/h - 400 kWh/h = 600 kWh/h (interruptible)

Result:

From the initially booked 1,000 kWh/h at the ONTRAS grid, 400 kWh/h are usable on firm basis and 600 kWh/h on interruptible basis.
▪

Information about temperature forecast

The forecast of the daily average temperature based on the weather data of the MeteoGroup Deutschland GmbH of the following 12 measuring points in the grid of ONTRAS.

- ▪ Berlin-Tempelhof
- ▪ Chemnitz
- ▪ Cottbus
- ▪ Oschatz
- ▪ Halle-Trotha
- ▪ Leipzig-Flughafen
- ▪ Magdeburg
- ▪ Manschnow
- ▪ Neubrandenburg
- ▪ Potsdam
- ▪ Warnemünde
- ▪ Schwerin

The weather data for the forecast of the daily average temperature are usually requested at 6:26 a.m. on the previous day (D-1). Based on the temperature forecast, the distribution factor will be calculated and published in the Transparency tool of ONTRAS at 12:00 p.m. (noon) on the previous day.

If exceptionally no data is available, ONTRAS use the values of the federal statistic office of the previous years.