The algorithm for checking of the data regarding the electricity transactions

1. The accounting data of EMS AD (from the exchange program)

TU (external transactions)	Total cross-border input
TI (external transactions)	Total cross-border output
TPO (internal transactions)	Total sales to other participants in the internal market of Serbia without APKM
TKO (internal transactions)	Total purchases from other participants in the internal market of Serbia without APKM
TPK (special internal transactions)	Total output over the administrative line with APKM (sales to APKM)
TKK (special internal transactions)	Total input over the administrative line with APKM (purchase from APKM)
TRAN	Maximum possible transit
POTR	Total consumption (scheduled)
PROIZ	Total production (scheduled)
D	Unbalanced daily schedule

TRAN = min(TU +TKK, TI +TPK) is intergral part of Calculation of cross-border exchange

2. Data reported by the participant in the Announcement on electricity transactions

U	Total import (Form 1.)
I	Total export (Form 2.)
TR	Total declared (customs) transit (Form 3.)

3. The method of checking (Conditions which should be met)

Condition 1. $U \geq 0$ Import should not be a negative value
Condition 2. $I \geq 0$ Export should not be a negative value
Condition 3. $TR \geq 0$ Transit should not be a negative value
Condition 4. $U = TU + TKK - TR$
Condition 5. $I = TI + TPK - TR$
Condition 6. $U + TKO + PROIZ - I - TPO - POTR + D = 0$
Condition 7. $TRAN \geq TR$

If all of the abovementioned conditions are fulfilled, EMS AD can confirm that the data from the Announcement on electricity transactions is in compliance with the algorithm and as such represent one of the possible options.