

STATEMENT OD THE CZECH ASSOCIATION OF THE REGULATED POWER SUPPLY COMPANIES (CSRES) TO THE ERGEG CONSULTATION PAPER

The Czech association of the regulated power supply companies (CSRES), after being acquainted with the statement of EURELECTRIC to the ERGEG consultation paper “Towards Voltage Quality Regulation in Europe” agrees with EURELECTRIC statement and joins it.

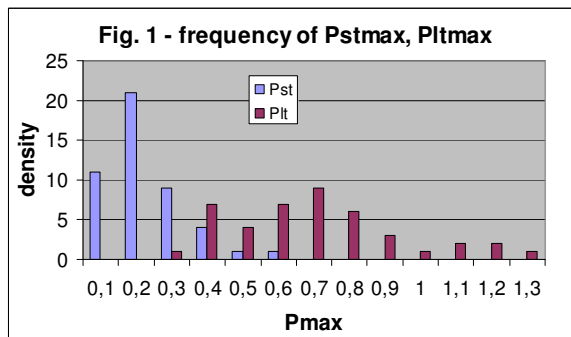
On the basis of our experience with customer claims and permanent monitoring of voltage quality at delivery points TS/DS (voltage level 110 kV), we add:

1) The number of customer complains on voltage quality over the past years is roughly 0.05 per thousand, from that less then one half legitimate. Therefore we don't see any generally tighter specification of limits, without analysing costs and benefits for justified.

2) Our Distribution and Transmission Codes have already included requirements on VQ for our 110 kV, 220 kV and 400 kV networks. The scope of monitoring is nearly the same as acc. EN50160, limits were taken mostly from TR/IEC 61000-3-6 and 61000-3-7.

Results gained from permanent monitoring at 110 kV delivery points from TS during last year shown, that especially Plt is not suitable for assessment of VQ at this voltage level.

Plt was at many measured points higher then Pst and at some points the measured values of flicker in different weeks vary distinctively. Concerning values of Pst in particular measuring points it was 1:5.5, concerning values of Plt it was even 1:13.



3) Limits of THD and harmonics set acc. IEC 61000-3-6 are markedly lower, comparing to the limits in EN 50160. While in MV networks is THD and harmonics level mostly sufficiently bellow the limits, at 110 kV are limits in some cases violated.

4) Present definitions of voltage dips and interruptions in EN 50160, CLC/TR 50422 and IEC 61000-4-30 don't cover all events in three phase networks. If voltage in one phase or two phases sags bellow 5 %, it is evaluated neither as dip nor as interruption. It can as well happen, that during one event sinks voltage in one phase and in another phase voltage swells.

5) Power quality contracts.

Our regulator's decree 540/2005 as well as Distribution and Transmission Codes make it possible, but any simple rules for using in regulated companies are still missing.