عنوان مقاله:

The Loosening Phenomenon Problems in Transmission lines Due to Non-Standard Stringing Facilities

محل انتشار:

نوزدهمین کنفرانس بین المللی برق (سال: 1383)

تعداد صفحات اصل مقاله: 5

نویسندگان:

Nasseh - *Tehran Regional Electric Company (Bureau of Technical Planning) IRAN*

zohouri Zanganeh - *Tehran Regional Electric Company (Bureau of Technical Planning) IRAN*

Ghandehari - *Tehran Regional Electric Company (Bureau of Technical Planning) IRAN*

خلاصه مقاله:

Transmission lines (TLs), during stringing practice, are exerted a special phenomenon called "loosened wire" phenomenon and it is due to implementation of non-standard stringing facilities i.e. (farm-tractor or bulldozer instead of standard, calibrated winch) for pulling the wire and outer aluminum layers get popped out. This phenomenon has a number of undesired both mechanical and electrical consequences. The mechanical problems due to outer aluminum layers popped out which directly increases the outer diameter of the whole ACSR wire, show themselves, at the points of clipping, clamping, fixing the wire to, the insulator strings and specially during fixing (putting pressure on), the wire-joint clamps at these joint points we obviously learn that the whole diameter of the wire has got increased, because of the damaged and/or pinched off strands of outer aluminum layers. From the electrical point of view , the wire gets hot (more than expected) when nominal current is passing through the wire and this directly results in . reduction of current carrying capacity or power transmission capacity of line

کلمات کلیدی:

Loosening Phenomenon , Stringing Facilities , Line deformation

لینک ثابت مقاله در پایگاه سیویلیکا: