## **Development of Pull-off Arm with Improved Seismic Performance**

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Pull-off arms of overhead contact lines are required to be lighter in weight for current collection performance, but they are also required to improve seismic performance. However, in order to improve the seismic performance, an increase in mass of the pull-off arms is unavoidable. Therefore, careful consideration is required to achieve both of these performances of the pull-off arm. Hence, in this study, after investigating seismic design specifications of pull-off arm, we tested the structure of pull-off arms using the design. Result of bending strength test showed that the performance of prototype pull-off arms satisfied the proposed specifications. In addition, the result of field test also showed that the current collection performance of the pull-off arms installed on a commercial line was good.