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**Mustafa Hajj\***, University of South Florida, Tampa, FL, and **Khaled Bataineh, Mohamed Elhamdadi** and **Sam Nelson**. *Singular Knots and Quandles*.

We give a generating set of the generalized Reidemeister moves for oriented singular links. We use it to introduce an algebraic structure arising from the study of oriented singular knots: Quandles on singular knots. We also give the version for this structure when the knots are unoriented. We give non-trivial examples of such structures and we illustrate their utilization in singular knot classification. (Received February 05, 2018)