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Mohamed Elhamdadi* (emohamed@math.usf.edu), Tampa, FL 33620, **Matthew Green**, Tampa, FL 33620, and **Nacer Makhlouf**, Mulhouse, France. *Ternary Distributive Algebraic Structure*. Preliminary report.

We introduce a notion of Ternary Distributive Algebraic Structure, investigate its properties and relate it to binary distributive structures such as quandles. Examples will be given such as in the context of Ternary Hopf Algebras and Coalgebras. A deformation theory of these structures will be discussed. (Received September 09, 2013)