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John Krueger* (jkrueger@unt.edu), Department of Mathematics, University of North Texas,
1155 Union Circle #311430, Denton, TX 76203. *Coherent Adequate Sets*.

Adequate sets provide a framework for forcing with models as side conditions. We describe coherent adequate sets, which are adequate sets together with a requirement of isomorphisms between certain models in a side condition. We give several applications of the method, including a forcing poset for adding a square sequence with finite conditions. (Received August 10, 2013)