Should the total space of toric deformations be toric?

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Starting with an affine toric singularity $X$, we may ask for (flat) deformations $f : Y \to S$, i.e. $X$ occurs as a special fiber of $f$. Several of those families can be described in toric language. Sometimes the total space $Y$ is toric again, sometimes not. We will discuss this dichotomy from the view point of T-varieties, i.e. the combinatorial description of varieties with torus action.