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Lokendra P Paudel* (1paude11@uakron.edu), The University of Akron, Akron, OH 44325. *The group of t -invertible t -ideals of Prüfer v multiplication domains.* Preliminary report.

Let D be a Prüfer v -multiplication domain (PVMD). The group of t -invertible t -ideals $\mathfrak{I}_t(D)$ is a lattice-ordered group (ℓ -group) with respect to the ordering defined by $A \leq B$ if and only if $B \subseteq A$, and coincides with the group of invertible ideals of D in the case when D is Prüfer domain. In this talk, we'll discuss about the ℓ - groups that occur as a group of t -invertible t -ideals of PVMD. (Received September 10, 2018)