

(R) POWER TAKE-OFF DEFINITIONS AND TERMINOLOGY FOR AGRICULTURAL TRACTORS

1. **Scope**—This SAE Recommended Practice deals only with the definitions and terminology pertaining to the power shafts of agricultural tractors in which the power take-off rotational speed is proportional to the engine speed. This is the type that prevails in the United States, Canada, England, and generally, throughout the world. The following recommendations will facilitate a clear understanding for engineering discussions, comparisons, and the preparation of technical papers.
2. **References**—There are no referenced publications specified herein.
3. **Definitions**
 - 3.1 **Clutch, Master**—The term “master clutch” is generally used to describe a clutch which transmits all power from the engine and controls both travel and the power take-off. Likewise, when disengaged, both stop
 - 3.2 **Power Take-Off, Transmission Driven**—Power to operate both the transmission and the power take-off is transmitted through a master clutch, which serves primarily as a traction clutch. The power take-off operates only when the master clutch is engaged. the transmission driven power take-off ceases to operate at any time the master clutch is disengaged.
 - 3.3 **Power Take-Off, Continuous Running**—Power to operate both the transmission and the power take-off is transmitted through a master clutch. Both operate only when the master clutch is engaged. Auxiliary means are provided for stopping the travel of the tractor without stopping the power take-off. The continuous running power take-off ceases to operate at any time the master clutch is disengaged.
 - 3.4 **Power Take-Off, Independent**—Power to operate the transmission and power take-off is transmitted through independent transmission and power take-off clutches. Travel of the tractor may be started or stopped by the operator of the transmission clutch without affecting operation of the independent power take-off. Likewise, the power take-off may be started or stopped by the power take-off clutch without affecting tractor travel.
4. **Notes**
 - 4.1 **Marginal Indicia**—The change bar (|) located in the left margin is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. An (R) symbol to the left of the document title indicates a complete revision of the report.

PREPARED BY THE SAE AGRICULTURAL TRACTOR TECHNICAL COMMITTEE

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