962-03-706 **Elisabeth Bouscaren*** (`elibou@logique.jussieu.fr`), CNRS - University Paris 7, Department of Mathematics, 2 Place Jussieu 75251 Paris Cedex 05, France, and **Francoise Delon** (`delon@logique.jussieu.fr`), CNRS - University Paris 7, Department of Mathematics, 2 Place Jussieu 75251 Paris Cedex 05, France. *Classifying minimal groups in separably closed fields.* Preliminary report.

It is now well known that any group definable in an algebraically closed field K is constructible and is constructibly isomorphic to the K-rational points of an algebraic group. If L is separably closed of characteristic p and not perfect, then a priori new groups appear: definable groups which are not constructible (L^p for example) and infinitely definable groups which are not definable (L^{p^∞}, the field of infinitely p-divisible elements of L). It is nevertheless true that every definable group is definably isomorphic to the L-rational points of an algebraic group defined over L. Up to definable isomorphism, any minimal (U-rank one connected) infinitely definable group is one of the following: the multiplicative group of L^{p^∞}, the divisible hull of $A(L)$ for some simple abelian variety A over L or a minimal subgroup of the additive group $(L, +)$. In the third case there are examples of minimal groups with infinite transcendence degree and of minimal groups which are definably isogenous but not isomorphic to $G(L^{p^\infty}$ for G an algebraic group over L^{p^∞}. - "Minimal groups in separably closed fields", preprint. (Received September 22, 2000)