Yuping Yang* (yangyuping@mail.com), Department of Mathematics, MailStop 3368, Texas A&M University, College Station, TX 77843-3368. A CLT for independent non-identical processes.

We prove a functional central limit theorem for a sequence of independent non-identical processes with conditions on the distributions of the processes. That is, the empirical process $n^{-1/2} \sum_{j=1}^{n} (1\{X_j(t) \leq y\} - \Pr(X_j(t) \leq y))$ converges weakly to a gaussian limit on the parameter set $E \times \mathbb{R}$. It extends the i.i.d. case in the paper by Kuelbs, J., Kurtz, T. and Zinn, J. (2010). (Received September 22, 2011)