1014-60-181 **Aliakbar Montazer Haghighi*** (`amhaghighi@pvamu.edu`), Department of Mathematics, Prairie View A&M University, P. O. Box 4189, Prairie View, TX 77446, and **Dimitar P Mishev** (`dimichev@pvamu.edu`), Department of Mathematics, Prairie View A&M University, P. O. Box 4189, Prairie View, TX 77446. *Busy Period of a Delayed Service M/M/c Queueing System.*

In this note we analyze the busy period of a delayed service M/M/c queueing system. We will show how the differential difference equation of this system looks like and how the results from the system compare with the ones of M/G/c. (Received August 10, 2005)