Selection of skip–lot sampling plan through MAAOQ *

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Abstract

The concept of skip–lot sampling plan of type SkSP–2 developed by Perry (1970) has a provision is for skipping inspection of some of the lots when the quality of the submitted product is good. Shankar and Mohapatra (1993) developed a new repetitive group sampling plan designated as conditional repetitive group sampling (CRGS) plan in which the disposal of a lot on the basis of repeated sample results is dependent on the outcome of the inspection of the immediately preceding i lots. Suresh and Ramkumar (1996) introduced maximum allowable average outgoing quality (MAAOQ), which is defined as the average outgoing quality at MAPD for single sampling plan. Procedures and tables for selection of skip–lot sampling plan of type SkSP–2 with conditional repetitive group sampling (CRGS) as reference plan indexed through maximum allowable percent defective and maximum allowable average outgoing quality are also provided.

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