

4. ORGANIZATION OF THE OBSERVATION

In general, there were two main approaches to the survey implementation – exhaustive and sample.

List of the organizations won the tender on serving appropriate route that has been provided by the Yerevan city municipality and urban communities has been served as a information source for observation of the organizations. Essentially, the mentioned lists have been considered as a general universe for the survey. It is necessary to mention, that during the survey minibus passenger transportations in Shirak marz were carried out by individual entrepreneurs (therefore, the given indicators have not been included in analysis of the survey results) and in Ararat and Vayots Dzor marzes intraurban transportations weren't carried out. By this reason, it is necessary to consider the survey results with the mentioned reservations.

On the other hand, taking into account peculiarities of the observation, as well as significant differences between the number of motor vehicles operating on a routes served by the organizations dealing with intraurban passenger transportation and length of these routes, it was decided to survey organizations by exhaustive observation method (the last-named organizations have been surveyed through the questionnaire for organizations). In other words, all organizations dealing with intraurban passenger transportation and all routes served by these organizations in marzes of the republic have been surveyed within the frameworks of the given survey.

As regards the sample of the survey, it should be mentioned, that it covered minibuses and buses operating on a route. Taking into account the shortage of resources and necessity to receive as far as possible representative data within the available resources, it was decided to observe the same number of units (motor vehicles) in each route, by different sample steps. Thus, 3-4 motor vehicles have been surveyed in each route by sample method, averaged results from which have been reflected in appropriate questionnaire. By the way, taking into account the peculiarities of passenger transportation (irregularly distributed traffic) observations have been carried out in working days and weekend days, as well as in different hours of day (taking into account variation of passenger flows at the beginning, in the middle and at the end of day). On the other hand, in the respect of reduction of systematic error of observation and liquidation of seasonal variations of passenger transportation, the observation of minibuses and buses in Yerevan city (taking into account large quantity of routes and volume of passenger transportation) has been carried out not only in May, but also in June.

To carry out the given survey the standard statistical tools, such as sample design (by the above mentioned peculiarities), software and etc have been applied.