PT. Terminal Petikemas Surabaya (PT. TPS) constituting multinational with international level. As corporate as petikemas's cargo handling, PT. TPS obviously doesn't despite designate plane and transport. Functioning designate plane to lift petikemas of land goes to to bound fast or contrariwise of bounds fast to land. Designate plane or Container Crane (CC) obviously gets role very important in operational activity at corporate. On CC a great many component which gets role, for example sling or wirerope, motor, drive, PLC and gear box. Base RI's Minister Of Manpower decision No. About 05 / MEN / 1985 about Lift and Transport Plane, section 9 sentences 3 name armor strings shall be checked at the time first assembly and everyday by operators and at least once deep one week by energy get plane specialty lift and transport. Therefore is required someway practical to check and scheduling wirerope by uses software is Visual Basic to water down that work.

Observational method to be begun by data collecting phase, which is gather primary data and secondary data. Primary data as data wirerope one that utilized by PT. TPS and data maintenance. Meanwhile secondary data that is utilized for example: working instruction. Succeeding step is scheme and makings maintenance wirerope's database accord Zhitkov's method with application programs Visual Basic and ended up by test-driving process database and evaluates it.

Result observationaling to point out that age wirerope base Zhitkov's method, gotten by age wirerope to hoist 8 months, wirerope to boom 5 years, and wirerope to trolley 1 year. Maintenance with help programs database will help deep checking scheduling, substitution and pelumasan wirerope. On program also give checking schedule memory each fourteen days, substitution schedule each 240 days, and pelumasan thirty days once. If in checking exists measure wirerope already decreases 10 % (tolerance bounds) therefore wirerope shall be substituted.

Keywords: Wirerope, Zhitkov's method, database maintenance, visual basic