

DATA BASE AND DATA FLOW ON VEPP-4 CONTROL SYSTEM

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The upgraded VEPP-4 Control System now can be referred as an example of the "standard model" control system with an addition node to connect new operator console level with old executive computers [1],[2]. High level of the control system includes PC based operator consoles and a data base server. All this computers and also the node runs under Linux OS. This paper describes a data base organization and a data flow organization between high level computers and executive computers. From a viewpoint of the data flow the following control system operational modes can be distinguished: initial loading (and reloading if necessary) of executive codes and a database information from the server to executive computers, routine data exchange (requests and replies) between high level applications and executive programs, data archiving (storing of a dynamic data base). These modes provides all necessary functions for the control system operations and in details presented in this paper.

[1] A.Aleshaev, S.Karnaev, B.Levichev, I.Protopopov, S.Tararyshkin, VEPP-4 Control System Upgrade, ICALEPCS'97, Beijing, China[2] A.Aleshaev, et.al. VEPP-4 Control System, ICALEPCS'95, Chicago, USA