The CORBA IDL Interface for Accelerator Control, <u>M. PLESKO</u>, J. STEFAN INSTITUTE, Ljubljana - It is a long practice that hardware designs and solutions are shared among accelerators, because well defined standardized interfaces exist. In order to be able to share software among different accelerator control systems, a standard library or application programmer's interface should be adopted. A proposal for such a standard description of accelerator devices is presented in this paper. It is a language independent collection of interfaces based on network distributed objects using the CORBA standard. All common accelerator components such as power supplies, vacuum, RF, position and current monitors are defined by means of functions and parameters. The interface does not replace or compete with any of the existing accelerator control systems (EPICS, cdev, TACO, DOOCS). On the contrary - great care has been taken to be as compatible as possible to those systems so that all could use the CORBA interface.