Manufacturing companies are facing a broad variety of challenges caused by a dynamic production environment. To succeed in such an environment, it is crucial to continuously adapt a company’s production structure to the changing requirements. Due to the opposing trend of increasing planning frequencies and decreasing planning time, new planning concepts are necessary. The production structure calendar is one approach enabling companies to strategically plan the adaptation process of their production structure. It provides information about the reconfiguration roadmap for the future which is based on life cycle models of products, manufacturing technologies and production resources.