In terms of fulfilling the requirements of modern production systems, Networked Automation Systems (NAS) have gained increasing significance for automation engineering over the past years. The advantages of, e.g. enhanced dependability, flexibility and configurability, outweigh various shortcomings of centralized control systems. To engineer such complex systems, several modeling languages have been developed. To realize an integrated development process of NAS we present an approach to model discipline independent real-time requirements. This approach considers some discipline specific models in different notations.