DESIGN CONSIDERATIONS FOR REAL−TIME SYSTEMS WITH DSP AND RISC ARCHITECTURES (MonPmPO4)

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Abstract : The challenges a real−time embedded designer faces in a new product design can be summarized as: Time−to−Market, Real−Time Performance, Quality, Cost, Scalability and Development Tools. This paper discusses Real−Time Performance challenges and presents some practical and important techniques used in Nortel Neta#351; products to overcome these challenges. The focus will be on DSP and RISC architectures.