

HIGH CAPACITY NATIONAL BACKBONE : AN UNAVOIDABLE REQUIREMENT FOR THE SMOOTH INTRODUCTION OF NGN

By

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ABSTRACT

This paper addresses the importance of high capacity backbone for introducing the NGN in order to bridging the digital divide through broadband. First, the digital divide terminology, classification & impact is introduced. Secondly, the Digital Opportunity Index (DOI) where it can be measured in 3 (three) main categories i.e.: Opportunity, Infrastructure and Utilization is addressed.

Infrastructure as one solution to reduce digital gap can be solved by providing high capacity national backbone as an unavoidable requirement for the smooth introduction to NGN (Next Generation Network). This includes Optical Packet Backbone (OPB), Optical Packet Metro and Access Network as media to enter broadband era.

TELKOM aims to enter broadband era through INSYNC2014 program in realizing NGN service opportunities and this can be seen as a strong solution for bridging the Digital Divide & boost the DOI. Thus, telecom operators can view that broadband & NGN are not only important for their business but also in improving the nation's quality of life.