

NGN Interconnection Trend And Its Regulation Implication

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Abstract: With the development of communication technologies, the business model and regulation framework will change greatly in NGN era. This paper first present the changes what have happened and will happen in the telecommunications interconnection domain, and then make an introduction of underlying background in both technical and commercial aspects. In part 3, we divide the future interconnection forms into three categories, come up with future interconnection paradigm and then make corresponsive considerations on the regulatory implication.

Keywords: NGN, layering, interconnection paradigm, regulation

1. INTRODUCTION

Numerous discussions have focused on NGN technologies recently, however, there's still less focus on its regulatory implication. And which is the focus of this paper.

In the paper, we first present the changes which had happened and will happen in the domain, and next come up with the underlying rationale of both technical and commercial aspects. On the base of the above, we analyze the interconnection trend in NGN and post several kinds of interconnection forms. Then we try to discuss the regulatory implication of these changes, and consequently what solutions should be built to accelerate the market growth.

2. CHANGES IN THE INTERCONNECTION DOMAIN AND FUTURE TREND

The problem of interconnection arises from the competition in the telecommunication industry. For any user in the network, there's a need to communicate with others of different networks. Interconnection is a pre-requisite to make it possible for entrants to interconnect at almost any "location in the network".

