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ITU-BDT Activities on NGN Migration Strategies

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TOPICS

- STUDY GROUP QUESTIONS
(Questions and study period)
 - Question 19-1/2
 - Question 6 – 2/1
 - Question 26/2
- Results of the study
- Way forward
- CONCLUSION


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STUDY GROUP QUESTIONS


- WTDC-06 (Q19 – 1/2, Q6 – 2/1)
(Study period 2006-2010)
- WTDC-10 (Q26/2)
(Study period 2011-2014)


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STUDY GROUP QUESTIONS


- Q19-1/2; Strategy for migration from existing networks to Next Generations Networks for Developing countries.
- Q6-2/1; Regulatory impact of next generation networks on interconnection.
- Q26/2; Migration from existing networks to NGNs for developing countries: technical regulatory and policy aspects


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Results of the study


- Q19-1/2 report explains the following;
 - trends of telecommunications that would eventually lead to NGNs
 - NGN Technology and provides guidelines for NGN migration as well as case examples.
 - considerations regarding the regulatory problems raised by NGN migration.


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Results of the study


- Q19-1/2 reports contains the following annexes;
 - Annex 1; presents the trends of telecommunication.
 - Annex 2; presents NGN functional Arctecture/QoS/Security.
 - Annex 3; presents examples of migration scenarios.
 - Annex 4; presents a questionnaire sent to Administrations and sector Members concerning their NGN migration.


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Results of the study


- Q19-1/2 and Annexes (cont'd)
 - Annex 5; presents some answers received to the questionnaire.
 - Annex 6; contains of opinion of the working party task force on NGN.
 - Annex 7; contains a list of ITU relevant standards pertaining to NGN.


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Results of the study

- Q6-2/1 report contains a brief discussion on the main issues and potential challenges to NGN interconnection.


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Way Forward

During the fourth ITU-D study period (2006-2010), the following were noted;


- The NGN issue was relatively new in ITU.
- It was felt that the question had been posed a little bit early and that migration to NGN in developing countries is still at an early stage and therefore very limited information is available.
- It was decided that a redrafted question on the subject may be proposed as a result of merging Q.6-2/1 and Q.19-1/2.

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Way Forward

- The new ITU-D Study Group period of 2011-2014, WTDC-10 outcome;
 - New question 26 has merged the former Q.19 and Q.6 (Migration from existing networks to NGNs for developing countries: (technical, regulatory and policy aspects)
 - deals with present status of NGN implementation.

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Way Forward

It was also noted that developing countries suffer from insufficient access to broadband.

- This new access mode to the network paves way to the generalization of new services and revenues.
- It also fosters the development and generalization of packet-based NGN offering convergence of voice, data and video services.

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Way Forward

Of particular importance for developing countries are the following;

- **Human capacity factors** (NGN architectures are viewed as very complex and need more explanation)
- **Economic factors** (cost of this new infrastructure both at access and core is seen as high with respect to the expected returns).
- **Application development factors** (with no new applications, broadband access and NGN take-off will not materialize)


Considering the importance of the subject, the new question has taken into account the focus on access issues, competition and interconnection of NGN

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Conclusion

- NGN Migration will successfully depend on conformity and interoperability.
- As ITU-D develops guidelines for migration to NGN, involvement of Member States of the developing countries in the process is encouraged.
- NGN initiative should be considered in Africa to exchange experiences with other parts of the world.

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THANK YOU FOR YOUR ATTENTION!

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