

## Abstracts of Intel presentations for ITU-D in Chisinau

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### 1. Broadband changing the game

Fixed phone went personal with cellular –the fixed Internet will follow the same path. Intel saw the need to extend PC computing to be mobile and on a wider scale and therefore supports WiMAX to be the technology of choice of WWAN services. One smartphone generates as much traffic as 30 voice/SMS handsets; one laptop generates as much traffic as 450 handsets.

Broadband enables new industries but the mindsets must be changed in national economics and in incumbent telecom organizations. Network and business model evolution is happening from voice to bits to deliver ubiquitous service. Also the spectrum management philosophy should be reconsidered – from service oriented frequency band association towards data throughput and coverage optimized association of spectrum. Meanwhile, also in emerging economies, the network deployments scenarios rapidly evolve from coverage to capacity limited. But current network deployment and spectrum management concepts are not sufficient to support broadband.

Also the IPR issues are relevant to enabling new entrants and to foster the competition. The competition generated by WiMAX forced incumbent operators to accelerate 3G and later 3G+ systems. Now the incumbents are claiming LTE superiority which is contrary with the current reality. WiMAX disrupts the current mobile broadband model and accelerates 4G transition.