

**Question(s):** 1/2

Geneva, 6-9 October 2015

**Ref.: TD 669****Source:** ITU-T SG2 Q1/2**Title:** LS on Technical impact of evolution of E.212 MNC assignment

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**LIAISON STATEMENT****To:** GSMA, 3GPP, 3GPP2, Mobility Development Group (CDMA Development Group)**Approval:** ITU-T SG2 Q1/2 Meeting (Geneva, 8 October 2015)**For:** Action**Deadline:** 20 January 2016**Contact:** Takatsugu KITOEmail: [ta-kito@kddi.com](mailto:ta-kito@kddi.com)**Contact:** Philippe Fouquart

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ITU-T SG2 has undertaken a review of E.212 Mobile Network Code assignment criteria. The objective of the review is to take into consideration market realities where the supply chain in mobile communications contains entities other than public networks offering public telecommunications services. National numbering plan administrators must consider applications from new market players while preserving the principles of competition, innovation and efficient resource management which therefore lead to an increase in the number of assigned MNCs under a given MCC.

SG2/Q1 would require feedback on three distinct questions (please elaborate in details on elements you might identify in this respect):

1. Are there known technical limitations, functional or operational, related to the maximum number of MNCs that mobile network infrastructure can accommodate? If any, are the limitations expected to be relieved and how?
  - What would the potential impact be on current network operations?

As an illustration, during the discussion, the following elements were raised regarding a potential scenario where an entity (e.g. M2M service provider, which would then be the MNC assignee) that is not a public network offering public telecommunication services provides a service under contract with one or more MNO network(s). The model would be similar to that of an MVNO with a minimal level of infrastructure but no traditional public telecommunications service would be offered.

2. If this scenario was implemented, do you see any problems in relation to:
  - a) The effect on operational aspects of public networks, if any, bearing in mind current roaming arrangements?
  - b) Degradation on current users' experience, if any?

To provide further clarification on Point 2b) above, the mobile network is typically optimized based on a traffic distribution of mobile telephone users. Would the need for optimising the network for these new types of traffic profiles be problematic inasmuch as it relates to MNC assignment?

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