

## SteerCo Liaison Statement – 20130619-4

**Title:** *Terminal and Device Behaviour to support Manual Network Selection and editing of APN*

**Source:**

Robindhra Mangtani – Chair, Steering Committee (SteerCo) for the Separate Sale of Roaming Services across the European Union

**Date:**

19 June, 2013

**To:**

Microsoft, Apple, Blackberry (RIM), google (Motorola), Samsung, HTC, Huawei, Nokia, Sony

**CC:**

GCF, 3GPP groups: SA1, CT1, RAN5, GERAN3.

**Contact Person:**

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**Attachments:**

- BEREC Guidelines on Roaming Regulation URI:

[http://bereg.europa.eu/eng/document\\_register/subject\\_matter/bereg/regulatory\\_best\\_practices/guidelines/1326-bereg-guidelines-on-roaming-regulation-ec-n-5312012-third-roaming-regulation-articles-4-and-5-on-separate-sale-of-roaming-services](http://bereg.europa.eu/eng/document_register/subject_matter/bereg/regulatory_best_practices/guidelines/1326-bereg-guidelines-on-roaming-regulation-ec-n-5312012-third-roaming-regulation-articles-4-and-5-on-separate-sale-of-roaming-services)

# 1. Overview

Article 4 of the new Roaming Regulation<sup>1</sup> requires that domestic mobile providers shall enable their customers to access regulated voice, SMS and data roaming services provided as a bundle by any alternative roaming provider (generally home country based decoupling). It requires furthermore that neither domestic nor roaming mobile providers shall prevent their customers from accessing data roaming services provided directly on a visited network

On December 14<sup>th</sup> 2012 the Commission published an Implementing Act<sup>2</sup> containing detailed rules on the information obligations laid down in Article 4(4) of the Roaming Regulation and on the technical solutions for the implementation of the separate sale of regulated retail roaming services. This is designed to ensure a consistent and simultaneous implementation of the separate sale of regulated retail roaming services across the Union

The European Commission established a stakeholder platform comprising mobile operators, trade associations and other interested parties. The SteerCo chaired by BEREC has established a Technical Requirements Group and has identified the requirements for terminals in section 2 below.

## 2. Requirements to Support Separate Sale

In order to have Local Break Out (LBO) working well, it is important the end user customer is able to manually select both the desired LBO network of choice and the APN.

Requirement 1: The device must provide facility to select the visited network. The user should be able to select manual mode, the device must in addition follow standard registration procedures as defined in 3GPP 23.122:

- Manual mode - Here the MS indicates to the user which PLMNs are available. Only when the user makes a manual selection does the MS try to obtain service on the VPLMN.
- The steering of roaming must be able to detect the manual mode and therefore the device must apply reselection procedures as defined in 3GPP 24.008, 29.002, 29.010 etc
- Manual Network selection: When in manual network selection mode, the MS shall list all available PLMNs. This behaviour is independent from the content of the preferred PLMN list.

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<sup>1</sup> Roaming Regulation (EC) NO 531/2012

<sup>2</sup> Commission Implementing Regulation (EU) No 1203/2012

- Selection mode following switch off: The MS shall retain its configuration of automatic and manual network selection modes when switched off

Requirement 2: Except at switch on and under specified conditions, the handset can select another network (as in an automatic mode) without interaction from a user.

Requirement 3: The handset should apply re-attempt mechanisms as expected by standards. NOTE: The re-attempt pattern varies by steering method applied (i.e. the error code received following a connection attempt)

Requirement 4: Handset should offer a MMI to enable APN change

- The user should be able to modify the APN configuration manually.

### **3. Action(s) Requested**

SteerCo kindly asks terminal manufacturers to ensure that handsets have the features necessary to support the separate sale of roaming services.

### **4. Date of Next meetings**

Steering Committee -

July 2013 {TBC} Brussels, Belgium