

Title: Proposal to handle early mobiles
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1. Introduction

Vodafone Group have reviewed the list of candidate proposals that are available in the status report (RP-020695) and believe the following would meet the Operator requirement to be able to handle early mobiles in a smooth manner.

- 1) IMEI-SV via the CN to the RAN.**
 - a. However, a hybrid proposal over the Iu may be acceptable.

2. Justification for Vodafone proposal for use of IMEI-SV to CN and from CN to RAN

Vodafone Group have summarised the proposals with relative benefits of the proposals in the following table:

Issue		Concept 1	Concept 2	Concept 3	Concept 4	Concept 5
		IMEISV over Iu derived from IMEISV delivered to CN	Bitmap of UEF over Iu derived from IMEISV delivered to CN	IMEISV delivered from UE to UTRAN	Early Uu indication of a bitmap of validated UE behaviour	
1	Ability to help with GPRS “UE Specific Behaviours”	Yes - send IMEISV over Gb	Yes - send bitmap of UEF over Gb	No. Needs a separate method to supply IMEISV to the 2G-SGSN and to handle SGSN change	Solutions have not yet been documented fully	
2	Ability to help in detection of faults (particularly ‘soft faults’ such as speed of detecting new neighbour cells)	Yes - RNC can deliver statistics against UE type	No	Yes - RNC can deliver statistics against UE type	No	
3	Commercial sensitivity of RNC software development	Can be handled well	No – requires publication/standardisation of future RNC features	Can be handled well	No – requires publication/standardisation of future RNC features	
4	Commercial sensitivity of operator features	Can be handled well	No - requires publication/standardisation of operator’s future services	Can be handled well	No - requires publication/standardisation of operator’s future services	
5	Ability to solve faults rapidly	Yes	No - [6] months needed to agree issue and document solution	Yes	No - [6] months needed to agree issue and document solution	
6	Maintenance of open interfaces	Yes	No - the previous 3 issues will lead to proprietary encodings of the BMUEF and lead to a proprietary	Yes	Yes	

3. Proposal

Vodafone Group has a strong belief that the best way forward is for RAN to agree to:

- 1) Providing the **IMEI-SV to the RAN from the CN**. This will facilitate the ability to fix problems in a vendor specific way in a timely manner.

In addition Vodafone are concerned with respect to the criteria that will be used if the UESB bits are agreed. Vodafone are concerned that it will be difficult to stop commercial agreement being met **OUTSIDE** of standards regarding the setting of the bits.