3RD GENERATION PARTNERSHIP PROJECT 2 "3GPP2"

3GPP2 Industry Notification re Class 1 IMSI et al., June 2004

1 <u>Item #1</u>

2 3GPP2 experts have become aware of a potential problem in the use of Class 1 IMSIs in
3 cdma2000®[1] networks. In specific situations, mobiles might miss pages but, according to
4 the best information available, this has not occurred in existing deployments. This
5 problem arises due to different techniques used to pad Class 1 IMSIs with zeros to reach a
6 15-digit length, resulting from different interpretations of the text. While C.S0005-D has
7 clarified the appropriate padding procedure, the potential problem cannot be totally
8 eliminated due to existing products. Operators, regulators, and manufacturers are strongly
9 urged to continue to specify and use only Class 0 IMSIs in their networks and products to
10 avoid this problem.

11 <u>Item #2</u>

12 The parameter QPCH_CODE_CHAN (Code channel index of the Quick Paging Channel for
13 Spreading Rate 3) in MCRR Parameters Message was previously included if this message is
14 being sent in a Spreading Rate 3 system and QPCH_SUPPORTED is set to '1'. This is
15 incorrect as the information necessary to determine the presence of this field must be
16 available in this message. Thus, a change was made where the QPCH_CODE_CHAN is
17 included only if SR3_INCL field is set to '1' and QPCH_SUPPORTED field is set to '1'. This
18 was fixed in C.S0005-D, but this change needs to be applied to C.S0005-A-2 and later
19 implementations.

20 <u>Item #3</u>

21 The LAC parameter, IMSI_S, on the f-csch consists of MIN1 (same as IMSI_M_S1) and MIN2
22 (same as IMSI_M_S2). The order of the MIN1, MIN2 fields was correct in IS-95A and before;
23 but was reversed from IS-95B onwards. The problem was fixed in C.S0004-D, but needs to
24 be applied to IS-95-B and later implementations.

25 <u>Item #4</u>

26 The message format for messages sent on a non-primary BCCH was missing from the LAC
27 specification. The message format was added in C.S0004-D, but needs to be applied to
28 C.S0004-A-2 and later implementations.

29 <u>Item #5</u>

30 The Retry Order feature was introduced in Revision 0. But there was some ambiguity
31 regarding which service option it applies to. This has been clarified in C.S0005-C v2.0 as

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[1] *cdma2000® is the trademark for the technical nomenclature for certain specifications and standards of the Organizational Partners (OPs) of 3GPP2. Geographically (and as of the date of publication), cdma2000® is a registered trademark of the Telecommunications Industry Association (TIA-USA) in the United States.*

1 applying to any packet data service options, SO 60, and SO 61. Packet data service option

2 refers to any service option in Service Option Groups 4 and 5 as defined in C.R1001-D.

3 <u>Item #6</u>

4 The SYNC_ID feature was introduced in Revision A. The scope of a SYNC_ID was defined as

5 SID, NID, and CDMA Channel where that SYNC_ID was assigned. In C.S0005-C v2.0, the

6 scope was re-defined as SID and NID where that SYNC_ID was assigned. Implementations

7 of SYNC_ID in Revision A and Revision B should also follow this re-defined scope.