

C.IN0005-0
Version 1.0
21 June 2010



3RD GENERATION
PARTNERSHIP
PROJECT 2
"3GPP2"

3GPP2 Industry Notice

C.S0016 Protocol Capability Response Message

© 2010 3GPP2

3GPP2 and its Organizational Partners claim copyright in this document and individual Organizational Partners may copyright and issue documents or standards publications in individual Organizational Partner's name based on this document. Requests for reproduction of this document should be directed to the 3GPP2 Secretariat at secretariat@3gpp2.org. Requests to reproduce individual Organizational Partner's documents should be directed to that Organizational Partner. See www.3gpp2.org for more information.

1 **AFFECTED DOCUMENTS**

The following documents have been identified as affected:

C.S0016-B through C.S0016-D *Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Standards*

C.S0023-0 through C.S0023-D *Removable User Identity Module for Spread Spectrum Systems*

C.S0065-0 through C.S0065-B *cdma2000 Application on UICC for Spread Spectrum Systems*

2 **THE PROBLEM**

The *Protocol Capability Response Message*, in C.S0016, does not clearly define the term feature. The specification allows the inclusion of multiple features, defined by FEATURE_ID (Feature Identification) / FEATURE_P_REV (Feature Protocol Revision) pairs, but does not define how to handle the following situations:

- A feature is not supported by the device.
- Two or more different feature protocol revisions are supported with the same FEATURE_ID.

This sequence of data fields was incorporated into EF(OTA) of the R-UIM specification, C.S0023, in such a way that each feature must be listed exactly once. Since no FEATURE_P_REV value is reserved for “not supported,” there is no way to identify a feature that is not supported. In addition, there is no way to identify multiple feature protocol revisions for a single feature. These issues also exist in C.S0065.

TSG-C WG 1 has verified that current implementations of OTASP and R-UIM support the following capabilities:

- A feature that is not supported is indicated by *not* including any FEATURE_ID/FEATURE_P_REV pairs.
- Support of multiple features with a single FEATURE_ID is indicated by including multiple FEATURE_ID/FEATURE_P_REV pairs, where the same FEATURE_ID is repeated in each pair.

3 **THE SOLUTION**

TSG-C is considering a solution that is consistent with current practice. TSG-C is planning to do the following:

- C.S0016 will be modified to describe how to indicate no support for a feature, and how to indicate support for multiple features defined by two or more protocol revisions and a single FEATURE_ID.

- 1
 - 2
- C.S0023 (R-UIM) and C.S0065 (CSIM) will be modified to refer to C.S0016 for details on how to encode the EF(OTA) file.