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PROJECT 2
"3GPP2"

Administration of Parameter Value Assignments for Spread Spectrum Standards

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1 REFERENCES

2 The following standards are referenced in this text. At the time of publication, the editions
3 indicated were valid. All standards are subject to revision, and parties to agreements
4 based upon this Telecommunications System Bulletin are encouraged to investigate the
5 possibility of applying the most recent editions of the standards indicated below. ANSI and
6 TIA maintain registers of currently valid national standards published by them.

- 7 1. ANSI X3.4, *Information Systems – Coded Character Sets – 7-Bit American National Standard*
8 *Code*, 1986.
- 9 2. ARIB STD-T53 Ver 1.2, *CDMA Cellular System*, November 1998.
- 10 3. ISO 8859-1, *Information Technology – 8-Bit Single-Byte Coded Graphic Character Sets – Part*
11 *1. Latin Alphabet No. 1*, 1988.
- 12 4. ISO 8859-8, *Information Technology – 8-Bit Single-Byte Coded Graphic Character Sets*, 1988.
- 13 5. ISO/IEC 10646-1, *Information Technology – Universal Multiple-Octet Coded Character Set*
14 *(UCS) – Part 1: Architecture and Basic Multilingual Plane*, 1993.
- 15 6. JIS X0201, *Code for Information Interchange*, 1976.
- 16 7. ITU-T T.50, *International Reference Alphabet (IRA) (Formerly International Alphabet No. 5 or*
17 *IA5) Information Technology – 7-Bit Coded Character Set for Information Interchange*, 1992.
- 18 8. TIA/EIA-95-B, *Mobile Station-Base Station Compatibility Standard for Dual-Mode Spread*
19 *Spectrum Systems*, March 1999.
- 20 9. TIA/EIA-96-C, *Speech Service Option Standard for Wideband Spread Spectrum System*,
21 August 1998.
- 22 10. TIA/EIA/IS-99, *Data Services Option Standard for Wideband Spread Spectrum Digital*
23 *Cellular System*, July 1995.
- 24 11. TIA/EIA-126-C, *Mobile Station Loopback Service Options Standard*.
- 25 12. TIA/EIA/IS-127-A, *Enhanced Variable Rate Codec, Speech Service Option 3 for Wideband*
26 *Spread Spectrum Digital Cellular System*, June 1998.
- 27 13. TIA/EIA-637-A, *Short Message Services for Wideband Spread Spectrum Systems*,
28 September 1999.
- 29 14. TIA/EIA/IS-657, *Packet Data Services Option Standard for Wideband Spread Spectrum*
30 *Digital Cellular System*, July 1996.
- 31 15. TIA/EIA/IS-683-A, *Over-the-Air Service Provisioning of Mobile Stations in Wideband Spread*
32 *Spectrum Systems*, June 1998.
- 33 16. TIA/EIA/IS-707-A, *Data Services Standard for Wideband Spread Spectrum Systems*, April
34 1999.
- 35 17. TIA/EIA/IS-707-A-1, *Data Services Standard for Wideband Spread Spectrum Systems*.
- 36 18. TIA/EIA/IS-733, *High Rate Speech Service Option for Wideband Speech Spectrum*
37 *Communication Systems*, October 1998.

- 1 19. TIA/EIA/IS-801, Position Determination Service Standard for Dual Mode Spread
2 Spectrum Systems.
- 3 20. TIA/EIA/IS-2000-3, *Medium Access Control (MAC) Standard for cdma2000 Spread*
4 *Spectrum Systems*, June 1999.
- 5 21. TIA/EIA/TSB79, *Telecommunications Systems Bulletin: Short Message Services for*
6 *Wideband Spread Spectrum Systems*, February 1997.
- 7 22. TTA.KO-006.0013, Air Interface between Personal Station-Base Station Radio Interface
8 Standard for 1.7 to 1.9GHz CDMA PCS, July 1997.
- 9 23. KS X 1001, The coded character set for information interchange - Korean and Chinese
10 character, 1998.

11

1 **1 INTRODUCTION**

2 The TIA/EIA Spread Spectrum Standards specify the operating and performance
3 characteristics of digital spread spectrum systems. These standards contain certain
4 parameter values (e.g., service options and *Data Burst Message* burst types) that have been
5 reserved for either standard or proprietary (non-standard) usage. As new voice and non-
6 voice related services are defined, it is necessary to assign values to these parameters.
7 To avoid confusion resulting from multiple assignments, TIA Subcommittee TR45.5
8 recognized the need to provide this single master registry of parameter values that it has
9 authorized for use.

10 This Bulletin assigns values to parameters within certain TIA/EIA Spread Spectrum
11 Standards for standard and proprietary usage. The impacted standards are listed in the
12 References section of this Bulletin. As assignments are identified, this document will be
13 revised to accommodate the new parameter assignments. Manufacturers, service
14 providers, and others wishing to use values for parameters that have not been assigned
15 should refer to Section 2 of this Bulletin for parameter value assignment administration
16 procedures. Services using proprietary parameter value assignments are not subject to
17 standardization within the Subcommittee, but shall be interoperable with the
18 requirements within the respective TIA/EIA Spread Spectrum Standards.

19 In addition to the parameter values assigned in this Bulletin, TIA Subcommittee TR45.5
20 may assign parameter values to new services or to certain organizations according to the
21 procedures described in Section 2. Parameter values not assigned in this Bulletin or not
22 assigned according to the procedures in Section 2 are undefined and have not been
23 approved by TIA Subcommittee TR45.5. Organizations should not use unassigned
24 parameter values, and are cautioned that use of unassigned parameter values may affect
25 future compatibility.

26 The terms “Manufacturer Specific” and “Proprietary” are used interchangeably.

27 This specification contains provisional value assignments for standards under development.
28 These standards may not be approved by the date of this specification publication.

1

2 No text.

2 ADMINISTRATION OF PARAMETER VALUE ASSIGNMENTS

Assignment of parameter values shall be governed by the administrative procedures contained in this section.

2.1 Request for Parameter Value Assignments

Requests for one or more parameter value assignments may be made by any TIA/EIA Subcommittee, as well as by individual manufacturers, service providers, and others. This includes requests for assignments within existing sections of this document, as well as requests for the inclusion of new parameters as the need arises. External requests must be made by way of written correspondence to the Chair of TIA Subcommittee TR45.5 (see 2.4).

Upon receipt of a request, the Subcommittee will discuss the matter; and, upon approval, the subcommittee will designate a new parameter value assignment and, if necessary, an appropriate new section within this document. This assignment will be considered as an addendum to this Bulletin and will be added to the next published revision of the Bulletin.

The Subcommittee will decide the appropriate time for releasing an update of this Bulletin. If requested in a correspondence to the Chair of TIA Subcommittee TR45.5, the requester will be notified of the Subcommittee decision on a proprietary parameter value assignment request, prior to publication of the updated Bulletin.

2.2 Selection of Parameter Value Assignments

The selection of any parameter value assignments will be at the sole discretion of the TIA Subcommittee TR45.5. Where the requester has a need for a specific parameter value assignment, such a request shall be included in the written correspondence to the Chair of TIA Subcommittee TR45.5, and the request will be considered by the Subcommittee during its discussions.

2.3 Use of Proprietary Parameter Value Assignments

Use of all proprietary parameter value assignments is subject to the restrictions of this section.

Organizations that have been assigned proprietary parameter value assignments may use them to designate proprietary services, features, or options without further notification to TIA Subcommittee TR45.5. Such services, features, or options shall conform to all applicable requirements of the TIA/EIA Spread Spectrum Standards.

Any organization wishing to use a parameter value assignment that has been designated to another organization (the "assignee") shall obtain permission to use the parameter value assignment from the assignee and shall conform to all requirements imposed by the assignee regarding the corresponding parameter value assignment. In this case, the organization requesting use of the assignee's parameter value assignment shall also conform to all applicable requirements of the TIA/EIA Spread Spectrum Standards.

1 A parameter value assignment that has been in proprietary use may, at the request of an
2 assignee, be incorporated into a TIA standard. At that time, TIA Subcommittee TR45.5
3 may assign the parameter a new, non-proprietary value or may use the assignee's related
4 parameter value assignment. If the assignee's parameter value assignment is used, then
5 permission from the assignee for its use shall no longer be required.

6 When a parameter value assignment is no longer needed for proprietary use, the assignee
7 should notify the Chair of TIA Subcommittee TR45.5 through written correspondence.

8 **2.4 Inquiries**

9 All inquiries and requests regarding this Bulletin should be addressed to:

10 Chair, TIA Subcommittee TR45.5
11 TIA Subcommittee TR45.5, Spread Spectrum Digital Technology - Mobile and
12 Personal Communications Standards
13 Telecommunications Industry Association
14 2500 Wilson Boulevard
15 Suite 300
16 Arlington, Virginia 22201

3 SERVICE OPTION NUMBER ASSIGNMENTS

The TIA/EIA Spread Spectrum Standards support the concept of service options on both the control and the traffic channels. Service options allow various voice and non-voice services to be defined and specified independently within the confines of the physical layer and the multiplex sub-layer interface. Each service option is identified by a unique service option number to facilitate proper processing within the network and mobile stations. Service option numbers may be used for standard services, as well as for proprietary (non-standard) services.

A service option number may indicate a service option revision. For this interpretation, the 16-bit service option number is composed of three fields: the Proprietary Indicator field, the Service Option Revision field, and the Base Service Option Number field, as shown in Figure 3-1.

| Service Option | | |
|-----------------------|-------------------------|----------------------------|
| Proprietary Indicator | Service Option Revision | Base Service Option Number |
| 1 bit | 3 bits | 12 bits |

Figure 3-1. Service Option Number Format

3.1 Standard Service Option Number Assignments

The Proprietary Indicator of standard service option numbers is set to '0'.

Table 3.1-1 shows the service option number assignments that have been made and approved by TIA Subcommittee TR45.5, as of the date of this publication.

Table 3.1-1. Standard Service Option Number Assignments

| Service Option Number (Decimal) | Designated Use/Type of Service | Associated Standard |
|--|---|----------------------------|
| 1 | Basic Variable Rate Voice Service (8 kbps) | TIA/EIA/IS-96-B |
| 2 | Mobile Station Loopback (8 kbps) | TIA/EIA/IS-126-B |
| 3 | Enhanced Variable Rate Voice Service (8 kbps) | TIA/EIA/IS-127-A |
| 4 | Asynchronous Data Service (9.6 kbps) | TIA/EIA/IS-99 |
| 5 | Group 3 Facsimile (9.6 kbps) | TIA/EIA/IS-99 |
| 6 | Short Message Services (Rate Set 1) | TIA/EIA/IS-637 |
| 7 | Packet Data Service: Internet or ISO Protocol Stack | TIA/EIA/IS-657 |
| 8 | Packet Data Service: CDPD Protocol Stack | TIA/EIA/IS-657 |
| 9 | Mobile Station Loopback (13 kbps) | TIA/EIA/IS-126-B |
| 10 | STU-III-Transparent Service | TIA/EIA/IS-707-A |
| 11 | STU-III Non-Transparent Service | TIA/EIA/IS-707-A |
| 12 | Asynchronous Data Service (14.4 or 9.6 kbps) | TIA/EIA/IS-707-A |
| 13 | Group 3 Facsimile (14.4 or 9.6 kbps) | TIA/EIA/IS-707-A |
| 14 | Short Message Services (Rate Set 2) | TIA/EIA/TSB79 |
| 15 | Packet Data Service: Internet or ISO Protocol Stack (14.4 kbps) | TIA/EIA/IS-707-A |
| 16 | Packet Data Service: CDPD Protocol Stack (14.4 kbps) | TIA/EIA/IS-707-A |
| 17 | High Rate Voice Service (13 kbps) | TIA/EIA/IS-733 |
| 18 | Over-the-Air Parameter Administration (Rate Set 1) | TIA/EIA/IS-683-A |
| 19 | Over-the-Air Parameter Administration (Rate Set 2) | TIA/EIA/IS-683-A |
| 20 | Group 3 Analog Facsimile (Rate Set 1) | TIA/EIA/IS-707-A |
| 21 | Group 3 Analog Facsimile (Rate Set 2) | TIA/EIA/IS-707-A |
| 22 | High Speed Packet Data Service: Internet or ISO Protocol Stack (RS1 forward, RS1 reverse) | TIA/EIA/IS-707-A |
| 23 | High Speed Packet Data Service: Internet or ISO Protocol Stack (RS1 forward, RS2 reverse) | TIA/EIA/IS-707-A |

| | | |
|---------------|---|--------------------|
| 24 | High Speed Packet Data Service: Internet or ISO Protocol Stack (RS2 forward, RS1 reverse) | TIA/EIA/IS-707-A |
| 25 | High Speed Packet Data Service: Internet or ISO Protocol Stack (RS2 forward, RS2 reverse) | TIA/EIA/IS-707-A |
| 26 | High Speed Packet Data Service: CDPD Protocol Stack (RS1 forward, RS1 reverse) | TIA/EIA/IS-707-A |
| 27 | High Speed Packet Data Service: CDPD Protocol Stack (RS1 forward, RS2 reverse) | TIA/EIA/IS-707-A |
| 28 | High Speed Packet Data Service: CDPD Protocol Stack (RS2 forward, RS1 reverse) | TIA/EIA/IS-707-A |
| 29 | High Speed Packet Data Service: CDPD Protocol Stack (RS2 forward, RS2 reverse) | TIA/EIA/IS-707-A |
| 30 | Supplemental Channel Loopback Test for Rate Set 1 | TIA/EIA-126-C |
| 31 | Supplemental Channel Loopback Test for Rate Set 2 | TIA/EIA-126-C |
| 32 | WLL Diagnostic Test | N/A |
| 33 | 144 kbps Packet Data Service, Internet or ISO Protocol Stack | TIA/EIA/IS-707-A-1 |
| 34 | 144 kbps Packet Data Service, CDPD Potocol Stack | TIA/EIA/IS-707-A-1 |
| 35 | Location Services, Rate Set 1 (9.6 kbps) | TIA/EIA/IS-801 |
| 36 | Location Services, Rate Set 2 (14.4 kbps) | TIA/EIA/IS-801 |
| 37 - 4099 | Reserved for standard service options. | None |
| 4100 | Asynchronous Data Service, Revision 1 (9.6 or 14.4 kbps) | TIA/EIA/IS-707-A |
| 4101 | Group 3 Facsimile, Revision 1 (9.6 or 14.4 kbps) | TIA/EIA/IS-707-A |
| 4102 | Reserved for standard service option. | None |
| 4103 | Packet Data Service: Internet or ISO Protocol Stack, Revision 1 (9.6 or 14.4 kbps) | TIA/EIA/IS-707-A |
| 4104 | Packet Data Service: CDPD Protocol Stack, Revision 1 (9.6 or 14.4 kbps) | TIA/EIA/IS-707-A |
| 4105 - 32,767 | Reserved for standard service options. | None |

3.2 Proprietary Service Option Number Assignments

The Proprietary Indicator of proprietary service option numbers is set to '1'.

Table 3.2-1 shows the proprietary service option number assignments made and approved by TIA Subcommittee TR45.5 as of the date of this publication. An 'x' represents either a zero or a one.

Table 3.2-1. Proprietary Service Option Number Assignments

| Organization | Service Option Number (Decimal) | Service Option Number (Binary) |
|-----------------------|--|---|
| QUALCOMM Incorporated | 32,768 - 32,771 | 1000 0000 0000 00xx |
| OKI telecom | 32,772 - 32,775 | 1000 0000 0000 01xx |
| Lucent Technologies | 32,776 - 32,779 | 1000 0000 0000 10xx |
| Nokia | 32,780 - 32,783 | 1000 0000 0000 11xx |
| NORTEL NETWORKS | 32,784 - 32,787 | 1000 0000 0001 00xx |
| Sony Electronics Inc. | 32,788 - 32,791 | 1000 0000 0001 01xx |
| Motorola | 32,792 - 32,795 | 1000 0000 0001 10xx |
| QUALCOMM Incorporated | 32,796 - 32,799 | 1000 0000 0001 11xx |
| QUALCOMM Incorporated | 32,800 - 32,803 | 1000 0000 0010 00xx |
| QUALCOMM Incorporated | 32,804 - 32,807 | 1000 0000 0010 01xx |
| QUALCOMM Incorporated | 32,808 - 32,811 | 1000 0000 0010 10xx |
| Lucent Technologies | 32,812 - 32,815 | 1000 0000 0010 11xx |
| Denso International | 32,816 - 32,819 | 1000 0000 0011 00xx |
| Motorola | 32,820 - 32,823 | 1000 0000 0011 01xx |
| Denso International | 32,824 - 32,827 | 1000 0000 0011 10xx |
| Denso International | 32,828 - 32,831 | 1000 0000 0011 11xx |
| Denso International | 32,832 - 32,835 | 1000 0000 0100 00xx |
| NEC America | 32,836 - 32,839 | 1000 0000 0100 01xx |
| Samsung Electronics | 32,840 - 32,843 | 1000 0000 0100 10xx |
| Dot Wireless, Inc. | 32,844 - 32,847 | 1000 0000 0100 11xx |
| Reserved | 32,848 - 65,535 | 1000 0000 0101 0000 - 1111 1111 1111 1111 |

4 DATA BURST MESSAGE BURST TYPE ASSIGNMENTS

The TIA/EIA Spread Spectrum Standards support the use of *Data Burst Messages* on both the control and traffic channels. *Data Burst Messages* can be sent by mobile stations over either the Reverse Control Channel or the Reverse Dedicated Channel, and can be sent by base stations over either the Forward Control Channel or the Forward Dedicated Channel. The burst types (values of the BURST_TYPE field) for mobile station originated and base station originated *Data Burst Messages* are defined in this section.

With the addition of other service options (e.g., asynchronous data and Group-3 FAX) to the basic voice service, the use of the *Data Burst Message* is being defined to support specific service options. *Data Burst Messages* may be used for standard services as well as for proprietary (non-standard) services. Thus, the need arises to distinguish the data burst types associated with individual service options, especially when multiple service options are allowed to be active simultaneously.

4.1 Standard *Data Burst Message* Burst Type Assignments

Table 4.1-1 shows the standard burst type assignments made and approved by TIA Subcommittee TR45.5 as of the date of this publication.

Table 4.1-1. Standard *Data Burst Message* Burst Type Assignments

| Burst Type (Binary) | Designated Use/Type of Service | Associated Standards |
|--------------------------------|---------------------------------------|-----------------------------|
| 000000 | Unknown burst type | TIA/EIA-95-B |
| 000001 | Asynchronous Data Services | TIA/EIA/IS-99 |
| 000010 | Group-3 Facsimile | TIA/EIA/IS-99 |
| 000011 | Short Message Services | TIA/EIA-637-A |
| 000100 | Over-the-Air Service Provisioning | TIA/EIA/IS-683-A |
| 000101 | Position Determination Services | TIA/EIA/IS-801 |
| 000110 | Short Data Bursts | TIA/EIA/IS-2000-3 |
| 000111 - 111101 | Reserved | Not applicable |
| 111110 | Extended Burst Type - International | See Below |
| 111111 | Extended Burst Type | See Below |

Burst type '111110' indicates that an "Extended Burst Type - International" is contained in the first two octets of the CHARi field of the *Data Burst Message*. The first ten bits of "Extended Burst Type - International" contain a binary mapping of the Mobile Country Code (MCC) associated with the national standards organization administering the use of the remaining octets of the message. Encoding of the MCC shall be as specified in Section 6.3.1.3 of TIA/EIA/95-B. The remaining six bits of the "Extended Burst Type - International" shall specify the country-specific burst type.

Burst type '111111' indicates that an extended burst type is contained in the first two octets of the CHARi field of the *Data Burst Message*. Table 4.1-2 shows the standard extended burst type assignments (assigned values of the first two octets of the CHARi field) made and approved by TIA Subcommittee TR45.5 as of the date of this publication.

Table 4.1-2. Standard *Data Burst Message* Extended Burst Type Assignments

| Extended Burst Type (Binary) | Designated Use/Type of Service | Associated Standards |
|--|--|-----------------------------|
| 0000 0000 0000 0000 – 0111 1111 1111 1111 | Reserved for standard data burst types. | TIA/EIA/IS-2000-A |
| 1000 0000 0000 0000 – 1111 1111 1111 1111 | Reserved for proprietary data burst types. | TIA/EIA/IS-2000-A |

4.2 Proprietary *Data Burst Message* Burst Type Assignments

All proprietary *Data Burst Message* burst types are assigned as extended burst types. Table 4.2-1 shows the proprietary extended burst type assignments made and approved by TIA Subcommittee TR45.5 as of the date of this publication. An 'x' represents either a zero or a one.

Table 4.2-1. Proprietary *Data Burst Message* Extended Burst Type Assignments

| Organization | Extended Burst Type (Binary) |
|---------------------|--|
| Motorola | 1000 0000 0000 xxxx |
| Reserved | 1000 0000 0001 0000 – 1111 1111 1111 1111 |

1 **5 MULTIPLEX OPTION NUMBER ASSIGNMENTS**

2 The TIA/EIA Spread Spectrum Standards allow the multiplex sublayer to be tailored to
3 provide special capabilities. The multiplex sublayer is one of the conceptual layers of the
4 system, which multiplexes and demultiplexes primary traffic, secondary traffic, and
5 signaling traffic. Each multiplex option, designated by a multiplex option number, defines
6 the specific frame format for a particular set of capabilities.

7 **5.1 Standard Multiplex Option Number Assignments**

8 Refer to TIA/EIA/IS-2000-3 for Multiplex Option Number Assignments.

9 **5.2 Proprietary Multiplex Option Number Assignments**

10 No proprietary multiplex option numbers have been assigned as of the date of release of
11 this document.

- 1
- 2 No text.

1 **6 BAND CLASS VALUE ASSIGNMENTS**

2 The TIA/EIA Spread Spectrum Standards use values of the band class parameter to
3 designate CDMA frequency bands.

4 **6.1 Band Class Value Assignments**

5 Table 6.1-1 shows the band class value assignments (assigned values of the BAND_CLASS
6 field) made and approved by TIA Subcommittee TR45.5 as of the date of this publication.

7
8 **Table 6.1-1. Band Class Value Assignments**

| Band Class Value (Binary) | Frequency Band | Associated Standards |
|----------------------------------|----------------------------------|-----------------------------|
| 00000 | 800 MHz Cellular System | TIA/EIA-95-B |
| 00001 | 1.850 to 1.990 GHz Broadband PCS | TIA/EIA-95-B |
| 00010 | 872 to 960 MHz TACS Band | None |
| 00011 | 832 to 925 MHz JTACS Band | ARIB STD-T53 |
| 00100 | 1.750 to 1.870 GHz Korean PCS | TTA.KO-006.0013 |
| 00101 | 450 MHz NMT | None |
| 00110 | 2 GHz IMT-2000 Band | TIA/EIA/IS-2000 |
| 00111 -11111 | Reserved | None |

9

- 1
- 2 No text.

7 MANUFACTURER-SPECIFIC OTASP ASSIGNMENTS

The TIA/EIA/IS-683-A Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Systems standard reserves specific ranges of values for manufacturer-specific OTASP assignments. Values in specified ranges are reserved as shown in Table 7-1. Specific assignments are given in sections 7.1 through 7.9.

Table 7-1 Manufacturer-specific OTASP Assignments

| OTASP Value | Reserved Manufacturer-Specific Range | IS-683-A Reference |
|--|---|---------------------------|
| Reverse Link Message Types (OTASP_MSG_TYPE) | '11000000' – '11111110' | 3.5 |
| Result Codes (RESULT_CODE) | '10000000' – '11111110' | 3.5.1.2 |
| Feature Identifier (FEATURE_ID) | '11000000' – '11111110' | 3.5.1.7 |
| Reverse Link NAM Parameter Block Types (BLOCK_ID) | '10000000' – '11111110' | 3.5.2 |
| Reverse Link SSPR Parameter Block Types (BLOCK_ID) | '10000000' – '11111110' | 3.5.3 |
| Forward Link Message Types (OTASP_MSG_TYPE) | '11000000' – '11111110' | 4.5 |
| Forward Link NAM Parameter Block Types (BLOCK_ID) | '10000000' – '11111110' | 4.5.2 |
| Forward Link SSPR Parameter Block Types (BLOCK_ID) | '10000000' – '11111110' | 4.5.3 |
| Forward Link Validation Parameter Block Types (BLOCK_ID) | '10000000' – '11111110' | 4.5.4 |

7.1 Reverse Link Message Type Assignments

No Manufacturer-specific Reverse Link Message Type (OTASP_MSG_TYPE) values have been assigned as of the date of release of this document.

7.2 Result Code Assignments

Table 7.2-1 shows the proprietary assignments of Result Code. These assignments are made and approved by TIA Subcommittee TR45.5 as of the date of this publication. All block type values in the table are binary. An 'x' represents either a zero or a one.

Table 7.2-1. Proprietary Assignments of Result Code

| Organization | Block Type (Binary) |
|-----------------------|--------------------------------|
| QUALCOMM Incorporated | 1000 00xx |
| Reserved | 1000 0100 - 1111 1110 |

7.3 Feature Identifier Assignments

Table 7.3-1 shows the proprietary assignments of Feature Identifier. These assignments are made and approved by TIA Subcommittee TR45.5 as of the date of this publication. All block type values in the table are binary. An 'x' represents either a zero or a one.

Table 7.3-1. Proprietary Assignments of Feature Identifier

| Organization | Block Type (Binary) |
|-----------------------|--------------------------------|
| QUALCOMM Incorporated | 1100 00xx |
| Reserved | 1100 0100 - 1111 1110 |

7.4 Reverse Link NAM Parameter Block Type Assignments

Table 7.4-1 shows the proprietary assignments of Reverse Link NAM Parameter Block Type. These assignments are made and approved by TIA Subcommittee TR45.5 as of the date of this publication. All block type values in the table are binary. An 'x' represents either a zero or a one.

Table 7.4-1. Proprietary Assignments of Reverse Link NAM Parameter Block Types

| Organization | Block Type (Binary) |
|-----------------------|--------------------------------|
| QUALCOMM Incorporated | 1000 00xx |
| Reserved | 1000 0100 - 1111 1110 |

7.5 Reverse Link SSPR Parameter Block Type Assignments

No manufacturer-specific Reverse Link SSPR Parameter Block Type (BLOCK_ID) values have been assigned as of the date of release of this document.

1

2 **7.6 Forward Link Message Type Assignments**

3 No manufacturer-specific Forward Link Message Type (OTASP_MSG_TYPE) values have
4 been assigned as of the date of release of this document.

5 **7.7 Forward Link NAM Parameter Block Type Assignments**

6 Table 7.7-1 shows the proprietary assignments of Forward Link NAM Parameter Block
7 Type. These assignments are made and approved by TIA Subcommittee TR45.5 as of the
8 date of this publication. All block type values in the table are binary. An 'x' represents
9 either a zero or a one.

10

11

Table 7.7-1. Proprietary Assignments of Forward Link NAM Parameter Block Types

| Organization | Block Type (Binary) |
|-----------------------|--------------------------------|
| QUALCOMM Incorporated | 1000 00xx |
| Reserved | 1000 0100 - 1111 1110 |

12

13 **7.8 Forward Link SSPR Parameter Block Type Assignments**

14 No manufacturer-specific Forward Link SSPR Parameter Block Type (BLOCK_ID) values
15 have been assigned as of the date of release of this document.

16 **7.9 Forward Link Validation Parameter Block Type Assignments**

17 No manufacturer-specific Forward Link Validation Parameter Block Type (BLOCK_ID)
18 values have been assigned as of the date of release of this document.

1 **8 ROAMING DISPLAY INDICATOR ASSIGNMENTS**

2 The TIA/EIA Spread Spectrum Standards support the concept of roaming display indicator
3 on the control channels. Roaming display indicator allows the network to indicate to the
4 subscriber the roaming condition of the mobile station. Each roaming display indicator is
5 identified by a unique roaming display number to facilitate proper processing within the
6 network and mobile stations. Roaming display numbers may be used for standard services
7 as well as for non-standard services.

8 **8.1 Standard Enhanced Roaming Indicator Number Assignments**

9 Table 8.1-1 shows the standard enhanced roaming indicator number assignments made
10 and approved by TIA Subcommittee TR45.5 as of the date of this publication.

11 **8.2 Non-Standard Enhanced Roaming Indicator Number Assignments**

12 No manufacturer-specific Non Standard Enhanced Roaming Indicator values have been
13 assigned as of the date of release of this document.

1

Table 8.1-1. Enhanced Roaming Indicator Number Assignments

| Roaming Display Number (Binary) | Roaming Display Indication |
|--|--|
| 00000000 | Roaming Indicator On |
| 00000001 | Roaming Indicator Off |
| 00000010 | Roaming Indicator Flashing |
| 00000011 | Out of Neighborhood |
| 00000100 | Out of Building |
| 00000101 | Roaming - Preferred System |
| 00000110 | Roaming - Available System |
| 00000111 | Roaming - Alliance Partner |
| 00001000 | Roaming - Premium Partner |
| 00001001 | Roaming - Full Service Functionality |
| 00001010 | Roaming - Partial Service Functionality |
| 00001011 | Roaming Banner On |
| 00001100 | Roaming Banner Off |
| 00001101 through 00111111 | Reserved for Standard Enhanced Roaming Indicator Numbers |
| 01000000 through 01111111 | Reserved for Non-Standard Enhanced Roaming Indicator Numbers |
| 10000000 through 11111111 | Reserved |

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3

9 SHORT MESSAGE SERVICES ASSIGNMENTS

The TIA/EIA/IS-637-A Short Message Services (SMS) for Wideband Spread Spectrum Systems standard defines the protocol and procedures associated with exchange of SMS. The protocol defined in TIA/EIA/IS-637-A allows use of various data encoding schemes (as defined in Table 9-1) and various language indicators (as defined in Table 9-2).

Table 9-1. Data Field Encoding Assignments

| CHARi Encoding Type | MSG_ENCODING Field | Length of CHARi, bits |
|--|---------------------------|------------------------------|
| Octet, unspecified | '00000' | 8 |
| IS-91 Extended Protocol Message | '00001' | (iv) |
| 7-bit ASCII (ANSI X3.4) | '00010' | 7 |
| IA5 (Table 11 of ITU-T T.50) | '00011' | 7 |
| UNICODE ⁱ (ISO/IEC 10646-1:1993) | '00100' | 16 |
| Shift-JIS ⁱⁱ | '00101' | 8 or 16 |
| Korean (KS X 1001:1998) ⁱⁱⁱ | '00110' | 8 or 16 |
| Latin/Hebrew (ISO 8859-8:1988) | '00111' | 8 |
| Latin (ISO 8859-1:1988) | '01000' | 8 |
| All other values are reserved. | | |
| <p>ⁱ UNICODE is a fixed 2 byte encoding method intended as an international character encoding scheme. It encodes most of the national character sets of most countries, including support of local diacritical marks, and it unifies character sets across national boundaries. It is supported by many computer and telecommunication systems worldwide. UNICODE is a trademark of Unicode, Inc.</p> <p>ⁱⁱ Shift-JIS is a variable 1-2 byte non-modal encoding method widely implemented in Japan on a variety of computer platforms and pagers. It is used for the encoding of Kanji, Kana and Latin character sets defined in JIS X0201 and JIS X0208.</p> <p>ⁱⁱⁱ KS X 1001:1998 is a variable 1-2 byte encoding method widely used in Korea.</p> <p>(iv) Length is determined by the Message Type value. See TIA/EIA/IS-91 Section 3.7.1 and TIA/EIA/IS-91 Appendix B.</p> | | |

1
2**Table 9-2. Language Indicator Value Assignments**

| LANGUAGE | Language |
|--------------------------------|------------------------|
| '00000000' | Unknown or unspecified |
| '00000001' | English |
| '00000010' | French |
| '00000011' | Spanish |
| '00000100' | Japanese |
| '00000101' | Korean |
| '00000110' | Chinese |
| '00000111' | Hebrew |
| All other values are reserved. | |

10 ANALOG FAX ASSIGNMENTS

The TIA/EIA/IS-707-A standard defines the protocol for Analog Fax services that allow identification of the IWF manufacturer in a tandem Analog Fax call. Using this, IWFs from the same manufacturer can invoke non-standardized protocols across the PSTN. The IWF manufacturer code is defined in Table 10-1.

Table 10-1. Analog Fax Inter-working Function Manufacturer Code Assignments

| IWF_MANUF | Analog Fax IWF Manufacturer |
|--------------------------------|------------------------------------|
| '00000000' | Reserved |
| '00000001' | QUALCOMM Incorporated |
| '00000010' | 3COM |
| All other values are reserved. | |

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