

**APPENDIX D CDMA CONSTANTS**

The following tables provide values for identifiers given in the text:

Table D-1. Time Limits

Table D-2. Other Constants

**Table D-1. Time Limits (Part 1 of 3)**

<b>Time Limit</b>	<b>Description</b>	<b>Value</b>	<b>References</b>
T <sub>1m</sub>	Maximum time the mobile station waits for an acknowledgement	0.4 s	6.6.4.1.3.1.1
T <sub>2m</sub>	Maximum time allowed for the mobile station to send an acknowledgement	0.2 s	6.6.4.1.3.1.2
T <sub>3m</sub>	Period in which two messages arriving on the Forward Traffic Channel, not requiring an acknowledgement, and carrying the same sequence numbers, are considered duplicates	0.32 s	6.6.4.1.3.2
T <sub>4m</sub>	Period in which two messages arriving on the same Paging Channel and carrying the same sequence numbers are considered duplicates	2.2 s	6.6.2.1.2
T <sub>5m</sub>	Limit of the Forward Traffic Channel fade timer	5 s	6.4.4
T <sub>20m</sub>	Maximum time to remain in the <i>Pilot Channel Acquisition Substate</i>	15 s	6.6.1.2
T <sub>21m</sub>	Maximum time to receive a valid Sync Channel message	1 s	6.6.1.3
T <sub>30m</sub>	Maximum time to receive a valid Paging Channel message	3 s	6.4.3
T <sub>31m</sub>	Maximum time for which overhead messages arriving on the Paging Channel are considered valid	600 s	6.6.2.2
T <sub>32m</sub>	Maximum time to respond to an <i>SSD Update Message</i> , <i>BS Challenge Confirmation Order</i> , and <i>Authentication Challenge Message</i>	5 s	6.6.2.4
T <sub>33m</sub>	Maximum time to respond to messages received while in the <i>Mobile Station Idle State</i> (except authentication messages)	0.3 s	6.6.2.3 6.6.5.6.2.3

**Table D-1. Time Limits (Part 2 of 3)**

<b>Time Limit</b>	<b>Description</b>	<b>Value</b>	<b>References</b>
T <sub>40m</sub>	Maximum time to receive a valid Paging Channel message before aborting an access attempt	1 s	6.4.3
T <sub>41m</sub>	Maximum time to obtain updated overhead messages arriving on the Paging Channel	4 s	6.6.3.2
T <sub>42m</sub>	Maximum time to receive a delayed layer 3 response following the receipt of an acknowledgement for an access probe	12 s	6.6.3.3
T <sub>50m</sub>	Maximum time to obtain N <sub>5m</sub> consecutive good Forward Traffic Channel frames when in the <i>Traffic Channel Initialization Substate</i>	0.2 s	6.6.4.2
T <sub>51m</sub>	Maximum time for the mobile station to receive a <i>Base Station Acknowledgement Order</i> when in the <i>Traffic Channel Initialization Substate</i>	2 s	6.6.4.2
T <sub>52m</sub>	Maximum time to receive a message in the <i>Waiting for Order Substate</i> that transits the mobile station to a different substate or state	5 s	6.6.4.3.1
T <sub>53m</sub>	Maximum time to receive a message in the <i>Mobile Station Answer Substate</i> that transits the mobile station to a different substate or state	65 s	6.6.4.3.2
T <sub>54m</sub>	Maximum time for the mobile station to send an <i>Origination Continuation Message</i> upon entering the <i>Conversation Substate</i>	0.2 s	6.6.4.4
T <sub>55m</sub>	Maximum time to receive a message in the <i>Release Substate</i> that transits the mobile station to a different substate or state	2 s	6.6.4.5
T <sub>56m</sub>	Default maximum time to respond to a received message or order on the Forward Traffic Channel	0.2 s	6.6.4 6.6.6
T <sub>57m</sub>	Limit of the power-up registration timer	20 s	6.6.5.1.1
T <sub>60m</sub>	Maximum time to execute a hard handoff involving a new frequency assignment using the same base station	0.06 s	6.6.6.2.8
T <sub>61m</sub>	Maximum time to execute a hard handoff involving a new frequency assignment using a different base station	0.08 s	6.6.6.2.8

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**Table D-1. Time Limits (Part 3 of 3)**

<b>Time Limit</b>	<b>Description</b>	<b>Value</b>	<b>References</b>
T <sub>62m</sub>	Maximum time to execute a hard handoff involving the same frequency assignment	0.02 s	6.6.6.2.8
T <sub>63m</sub>	Maximum time to execute a CDMA to Analog handoff	0.1 s	6.6.6.2.9
T <sub>1b</sub>	Maximum period between subsequent transmissions of an overhead message on the Paging Channel by the base station	1 s	7.6.2.2
T <sub>2b</sub>	Maximum time for the base station to send a <i>Release Order</i> after receiving a <i>Release Order</i>	0.8 s	7.6.4.4
T <sub>3b</sub>	Minimum time the base station continues to transmit on a code channel after sending or receiving a <i>Release Order</i>	0.3 s	7.6.4.5
T <sub>4b</sub>	Maximum time for the base station to respond to a service option request when it does not support the requested service option	10 s	7.6.4.1.2.2.1

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**Table D-2. Other Constants**

<b>Constant</b>	<b>Description</b>	<b>Value</b>	<b>References</b>
N <sub>1m</sub>	Maximum number of times that a mobile station transmits a message requiring an acknowledgement on the Reverse Traffic Channel	3	6.6.4.1.3.1.1
N <sub>2m</sub>	Number of received consecutive bad Forward Traffic Channel frames before a mobile station must disable its transmitter	12	6.4.4
N <sub>3m</sub>	Number of received consecutive good Forward Traffic Channel frames before a mobile station is allowed to re-enable its transmitter after disabling its transmitter	2	6.4.4 6.6.6.2.8
N <sub>4m</sub>	Number of frames after the transmission of a response to a <i>Long Code Transition Request Order</i> determining the 80 ms boundary for the private long code transition	20	6.6.4 7.6.4.1.5
N <sub>5m</sub>	Number of received consecutive good Forward Traffic Channel frames before a mobile station is allowed to enable its transmitter after entering the <i>Traffic Channel Initialization Substate</i> of the <i>Mobile Station Control on the Traffic Channel State</i>	2	6.6.4.2
N <sub>6m</sub>	Minimum supported Active Set size	6	6.6.6.2.6.1
N <sub>7m</sub>	Minimum supported Candidate Set size	6	6.6.6.2.6.2
N <sub>8m</sub>	Minimum supported Neighbor Set size	20	6.6.6.2.6.3
N <sub>9m</sub>	Minimum supported zone list size	7	6.6.5
N <sub>10m</sub>	Minimum supported SID/NID list size	4	6.6.5