

1 **APPENDIX F MOBILE STATION DATABASE**

2 **F.1 Introduction**

3 This appendix lists the numeric indicators that are described by this document and stored  
4 in the mobile station's permanent or semi-permanent memory. Some of these indicators  
5 are required; other indicators are optional and are so noted.

6 The indicators are organized in this appendix according to three categories:

- 7 • Mobile station indicators: These indicators are global to the mobile station and  
8 independent of the mobile station's NAMs or MINs.
- 9 • NAM indicators: These indicators specify parameters associated with the mobile  
10 station's NAM.
- 11 • MIN indicators: These indicators specify parameters associated with each of the  
12 mobile station's MINs.

13 The description of each indicator below includes the indicator's name, the number of bits it  
14 contains, and the section in this document where it is defined. Permanent indicators are  
15 denoted by the "p" subscript; semi-permanent indicators are denoted by the "s-p" subscript.

## 1 **F.2 Mobile Station Indicators**

2 Mobile station indicators are organized into permanent mobile station indicators and semi-  
3 permanent mobile station indicators.

### 4 **F.2.1 Permanent Mobile Station Indicators**

5 Permanent mobile station indicators specify physical station configuration and attributes,  
6 independent of NAM or MIN. The indicators are listed in Table F.2-1.

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8 **Table F.2-1. Permanent Mobile Station Indicators**

<b>Indicator</b>	<b>Number of Bits</b>	<b>Where Defined</b>	<b>Notes</b>
ESN	32	2.3.2	See 2.3.2 for special ESN storage and protection requirements.
SCM <sub>p</sub>	8	2.3.3	
SLOT_CYCLE_INDEX <sub>p</sub>	3	6.3.11	
MOB_CAI_REV <sub>p</sub>	8	1.1.2	
MOB_FIRM_REV <sub>p</sub>	16	1.1.2	
MOB_MODEL <sub>p</sub>	8	1.1.2	

1 F.2.2 Semi-permanent Mobile Station Indicators

2 Semi-Permanent mobile station indicators are retained when the mobile station power is  
 3 turned off. These indicators are associated with mobile station registration and lock. They  
 4 are independent of the NAM or MINs in use. Analog indicators are listed in Table F.2.2-1.  
 5 CDMA indicators are listed in Table F.2.2-2.

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 7 **Table F.2.2-1. Analog Semi-Permanent Mobile Station Indicators**

Indicator	Number of Bits	Where Defined	Notes
NXTREG <sub>S-p</sub>	21	2.3.4.1	
SID <sub>S-p</sub>	15	2.3.4.1	
LOCAID <sub>S-p</sub>	12	2.3.4.2	
PUREG <sub>S-p</sub>	1	2.3.4.2	

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 9 **Table F.2.2-2. CDMA Semi-Permanent Mobile Station Indicators**

Indicator	Number of Bits	Where Defined	Notes
ZONE_LIST <sub>S-p</sub>		6.3.4	
REG_ZONE <sub>S-p</sub>	12	6.3.4	
SID <sub>S-p</sub>	15	6.3.4	
NID <sub>S-p</sub>	16	6.3.4	
SID_NID_LIST <sub>S-p</sub>		6.3.4	
SID <sub>S-p</sub>	15	6.3.4	
NID <sub>S-p</sub>	16	6.3.4	
BASE_LAT_REG <sub>S-p</sub>	22	6.3.4	
BASE_LONG_REG <sub>S-p</sub>	23	6.3.4	
REG_DIST_REG <sub>S-p</sub>	11	6.3.4	
LCKRSN <sub>S-p</sub>	4	7.7.4	
LCKRSN_P <sub>S-p</sub>	4	7.7.4	

1 **F.3 NAM Indicators**

2 Each mobile station contains one or more NAMs. Table F.3-1 lists the permanent and  
 3 semi-permanent values associated with each NAM.

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 5 **Table F.3-1. NAM Indicators**

<b>Indicator</b>	<b>Number of Bits</b>	<b>Where Defined</b>	<b>Notes</b>
PREF_MODE <sub>p</sub>	optional	2.3.10.2	Preferred mode: analog or CDMA. Mobile station manufacturer option.
CDMA_PREF_SERV <sub>p</sub>	optional	2.3.10.1	Preferred CDMA serving system: A or B.
ANALOG_PREF_SERV <sub>p</sub>	optional	2.3.10.1	Preferred analog serving system: A or B.
FIRSTCHP <sub>p</sub>	11	2.3.7	
A_KEY	64	2.3.12.1.8	See "Wideband Spread Spectrum Dual-Mode Cellular System Authentication and Privacy Procedures" for A-Key storage and protection requirements.
SSD_A <sub>s-p</sub>	64	2.3.12.1.1	Shared Secret Data A
SSD_B <sub>s-p</sub>	64	2.3.12.1.1	Shared Secret Data B
COUNT <sub>s-p</sub>	6	2.3.12.1.3	Call History Parameter

1 **F.4 MIN Indicators**

2 Each NAM contains one or more MINs. Table F.4-1 lists the permanent and semi-  
 3 permanent values associated with each MIN.

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**Table F.4-1. MIN Indicators**

<b>Indicator</b>	<b>Number of Bits</b>	<b>Where Defined</b>	<b>Notes</b>
MIN1 <sub>p</sub>	24	2.3.1	
MIN2 <sub>p</sub>	10	2.3.1	
HOME_SID <sub>p</sub>	15	2.3.8	
SID_NID <sub>p</sub>		6.3.8	
SID <sub>p</sub>	15	6.3.8	
NID <sub>p</sub>	16	6.3.8	
ACCOLC <sub>p</sub>	4	2.3.5	
EX <sub>p</sub>	1	2.3.6	
MOB_TERM_HOME <sub>p</sub>	1	6.3.8	
MOB_TERM_FOR_SID <sub>p</sub>	1	6.3.8	
MOB_TERM_FOR_NID <sub>p</sub>	1	6.3.8	

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3 No text.

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