Dataset: 33 Byte each Transmission...

TY HS HS HS PI PI PI PR HM HM HM HM HM HM HM HM HM HM PM PM PM PM PM PM PM PM KI CH ID ST RT VA LD

00 11 22 33 11 22 33 00 11 22 33 44 55 66 77 88 99 AA 11 22 33 44 55 66 77 88 FF FF FF FF FF FF FF
01 FF FF FF 11 22 00 02 FF FF FF FF FF FF FF FF FF FF 11 22 33 44 55 66 77 88 02 FF FF FF FF FF FF
02 FF FF FF 11 22 33 03 FF FF FF FF FF FF FF FF FF FF 11 22 33 44 55 66 77 88 FF FF FF FF FF FF FF
03 FF FF FF 11 22 00 02 FF FF FF FF FF FF FF FF FF FF 11 22 33 44 55 66 77 88 02 75 30 1E 91 FE 01
04 FF FF FF 11 22 33 03 FF FF FF FF FF FF FF FF FF FF 11 22 33 44 55 66 77 88 FF 75 30 1E 91 FE 01

TY HS HS HS PI PI PI PR HM HM HM HM HM HM HM HM HM HM PM PM PM PM PM PM PM PM KI CH ID ST RT VA LD

TY = Type of EMM
0 = Write Masterkey + Provider-ID for Provider (PR) (HEX-Addressed (C3)) NEEDED: HM PM HS PR (00 11 22 33) PI
1 = Writes (KI) Plainkey for Provider (PR) (Group-addressed (02 0A 12 1A)) NEEDED: PK PM PR (02 0A 12 1A) KI
2 = Kills all ChIDs for Provider (PR) UNIQUE Addressed (03 0B 13 1B) NEEDED: PM PR PI
3 = Write Key, CHID + DATE + VALID for Provider (PR) (Group-addressed (02 0A 12 1A)) NEEDED: PK CHID START VALID PM PR PI
4 = Write CHID + START + VALID for Provider (PR) UNIQUE Addressed (03 0B 13 1B) NEEDED: PM CHID START VALID PI

Data from database.bin:

TY HEX# Pro/Grp Pr HEX-Master-Key Key to Write / Use KI CHID date valid
00 112233 112233 00 112233445566778899AA 1122334455667788 FF FFFF FFFF FFFF
→ To: Hex# 112233 → Write PMK 1122334455667788 and Provider-ID 112233 to Provider 00 (00) use HMK for encryption and signing

00 112233 112233 11 112233445566778899AA 1122334455667788 FF FFFF FFFF FFFF
→ To: Hex# 112233 → Write PMK 1122334455667788 and Provider-ID 112233 to Provider 10 (11) use HMK for encryption and signing

00 112233 112233 22 112233445566778899AA 1122334455667788 FF FFFF FFFF FFFF
→ To: Hex# 112233 → Write PMK 1122334455667788 and Provider-ID 112233 to Provider 20 (22) use HMK for encryption and signing

00 112233 112233 33 112233445566778899AA 1122334455667788 FF FFFF FFFF FFFF
→ To: Hex# 112233 → Write PMK 1122334455667788 and Provider-ID 112233 to Provider 30 (33) use HMK for encryption and signing

02 FFFFFF 112233 0B FFFFFFFFFFFFFFFFFFFF 1122334455667788 FF FFFF FFFF FFFF
→To: Provider-ID 112233 (Unique addressed Provider 10 = 0B) → Delete all CHID's →use PMK 1122334455667788 for signing.

01 FFFFFF 112200 0A FFFFFFFFFFFFFFFFFFFF 1122334455667788 02 FFFF FFFF FFFF
→To: Provider-ID 112200 (Group-addressed Provider 10) → write Key 02 → use PMK 1122334455667788 for encryption and signing.

01 FFFFFF 112200 0A FFFFFFFFFFFFFFFFFFFF 1122334455667788 0A FFFF FFFF FFFF
→To: Provider-ID 112200 (Group-addressed Provider 10) → write Key 0A → use PMK 1122334455667788 for encryption and signing.

04 FFFFFF 112233 0B FFFFFFFFFFFFFFFFFFFF 1122334455667788 FF 7530 1E95 FE01
→To: Provider-ID 112233 (Unique addressed Provider 10 = 0B) →write CHID 7530 Start-Date 1E95 → 0xFE + 0x01 Days
use PMK 1122334455667788 for encryption and signing.

03 FFFFFF 112200 0A FFFFFFFFFFFFFFFFFFFF 1122334455667788 06 2710 1E95 FE01
→To: Provider-ID 112200 (Group-addressed Provider 10) → write Key 06 and CHID 2710 Valid from 1E95 →0xFE + 0x01 Days
use PMK 1122334455667788 for encryption and signing.