gemalto

OTA Platform memo

Fine tune Campaign – MSG_VAL_PERIOD

Parameters involved in CMM campaign tuning

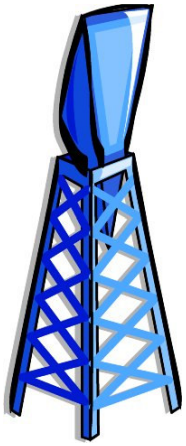
RCA for CMM product parameters
- Job processor / Swap Size
- Job processor / Min In Memory Time
- Protocol sms / MSG_VAL_PERIOD

SMSC Channel driver parameter
- Windows Size

Campaign parameters
- **RCA for CMM product**

✓Max Throughput
✓Max Congestion
- **Scheduling**

✓Validity period
✓Number of retry
✓Retry interval



SMSC parameters
- SMSC bandwidth in sms/s
- Retry table
- Validity Period max

Knowledge of the subscriber's behaviors
- Percentage of subscriber not under coverage

Operator knowledge
Operator's information
Gemalto settings to be verified
Gemalto settings. Can be fine tuned by operator

MSG_VAL_PERIOD - Overview

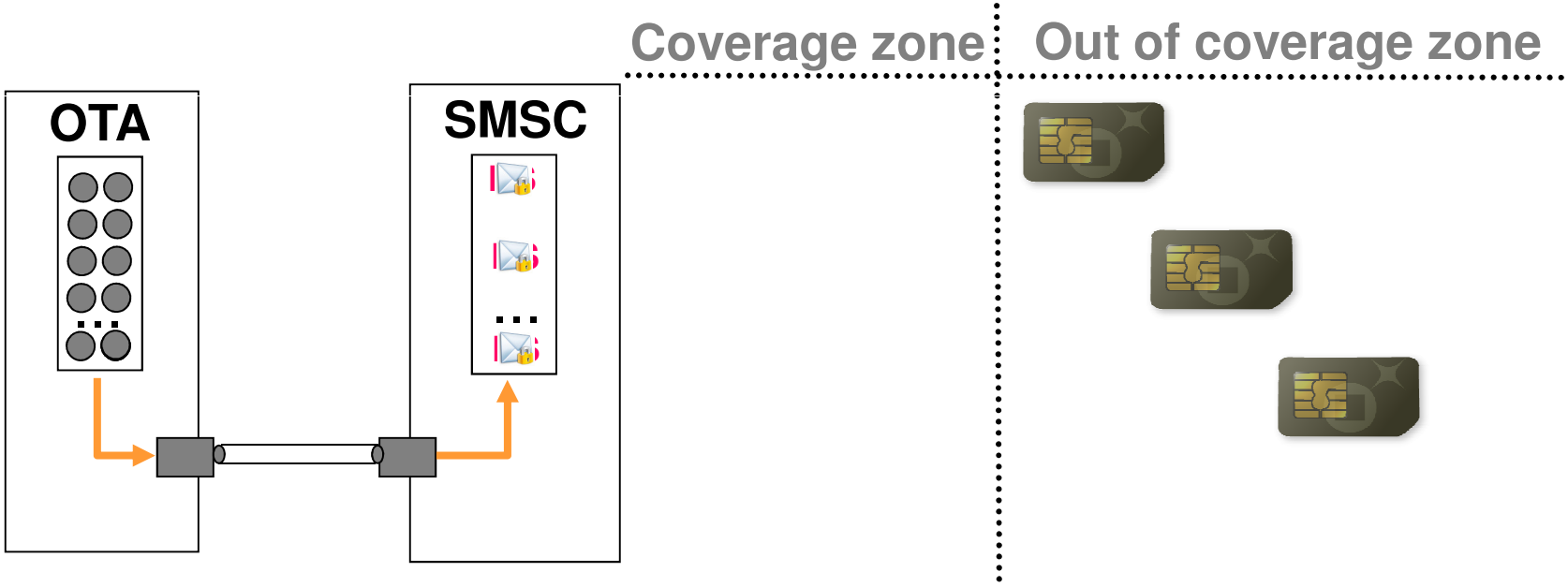
When **cards** are **out of coverage**, **OTA** platform **is waiting** for **DS** in order to assign to these cards to "**Expired**":

"**Expired" status with DS reception** = Out of coverage (OOC) cards

"**Expired" stat. without DS reception** = OOC cards + Service exec. error + ..?

➔ It's very important for the OTA platform to **retrieve all DS**

But SMSC can sent these DS in 2 different way...



...once **Validity period expired**... or... **later**...

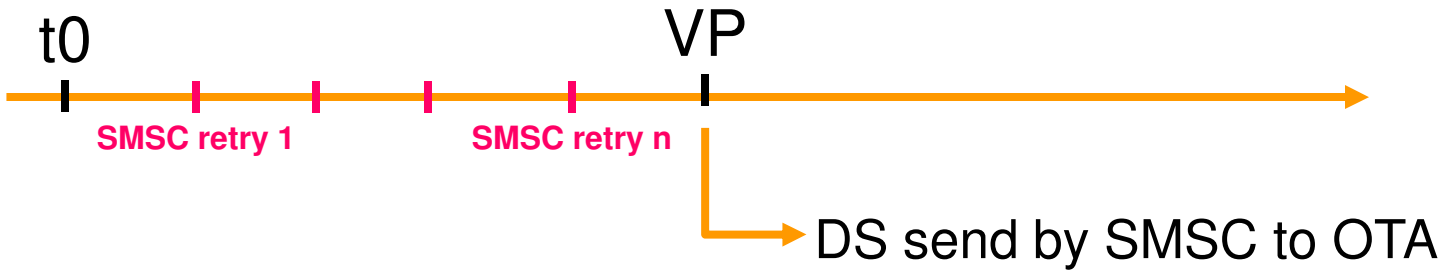
MSG_VAL_PERIOD 1/2

MSG_VAL_PERIOD

Validity period (in seconds) **passed** to the **SMSC**.
This parameter is used only if the **sms validity period** is **lower** the **"invocation expiration date"** (**VP**).

Use cases 1:

SMSC will **sent back DS** to OTA platform when **VP expired**
(Invocation expiration date (VP) = sms Validity Period)



In that case, **MSG_VAL_PERIOD** must be set to "**None**"

MSG_VAL_PERIOD 2/2

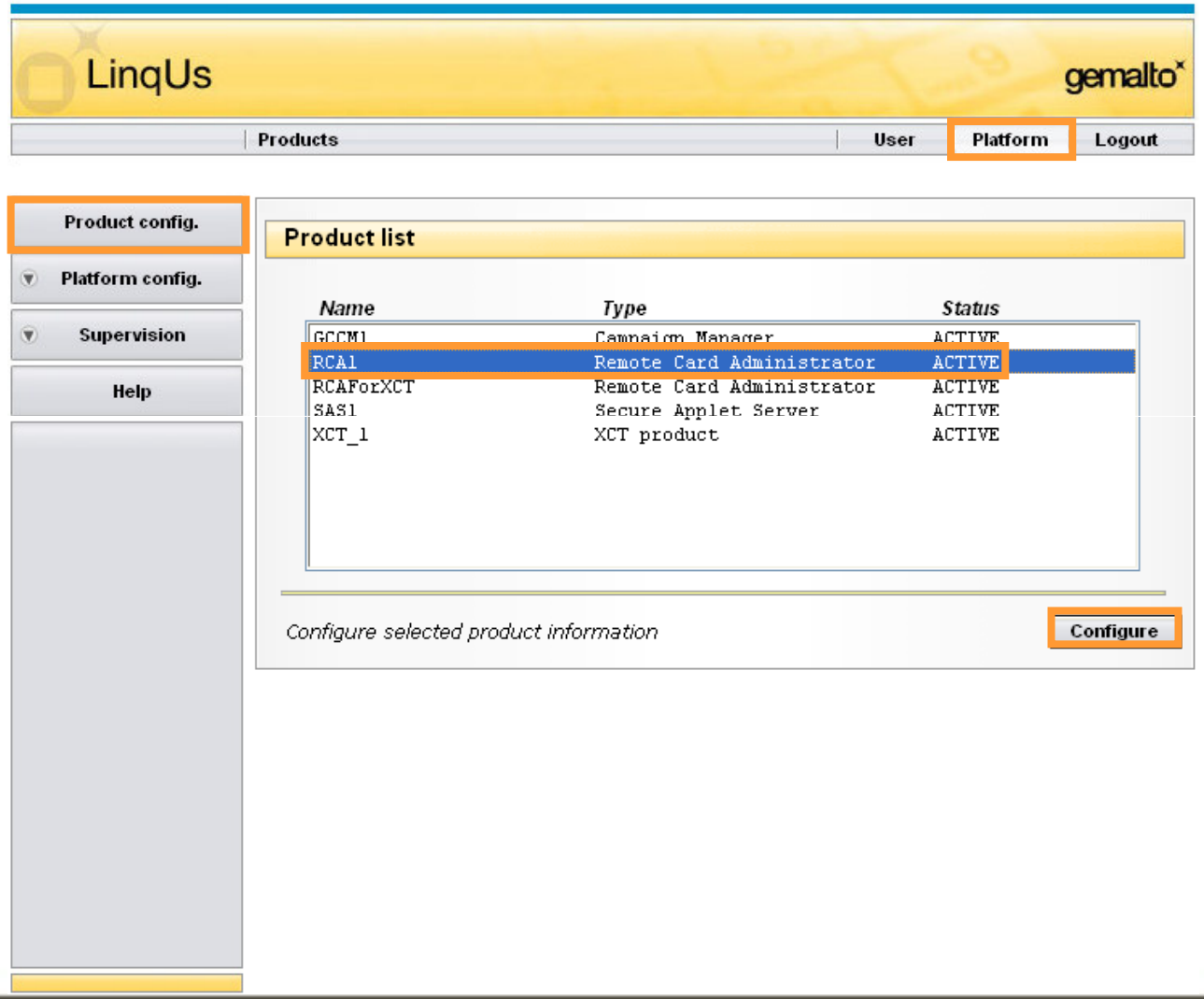
Use case 2:

SMSC will **sent back DS** to OTA platform **NOT** at the **end** of the **VP** but only **when SMSC** performs the **next** retry **AFTER** the **VP** *(Invocation expiration date (VP) > Validity Period of the SMS)*

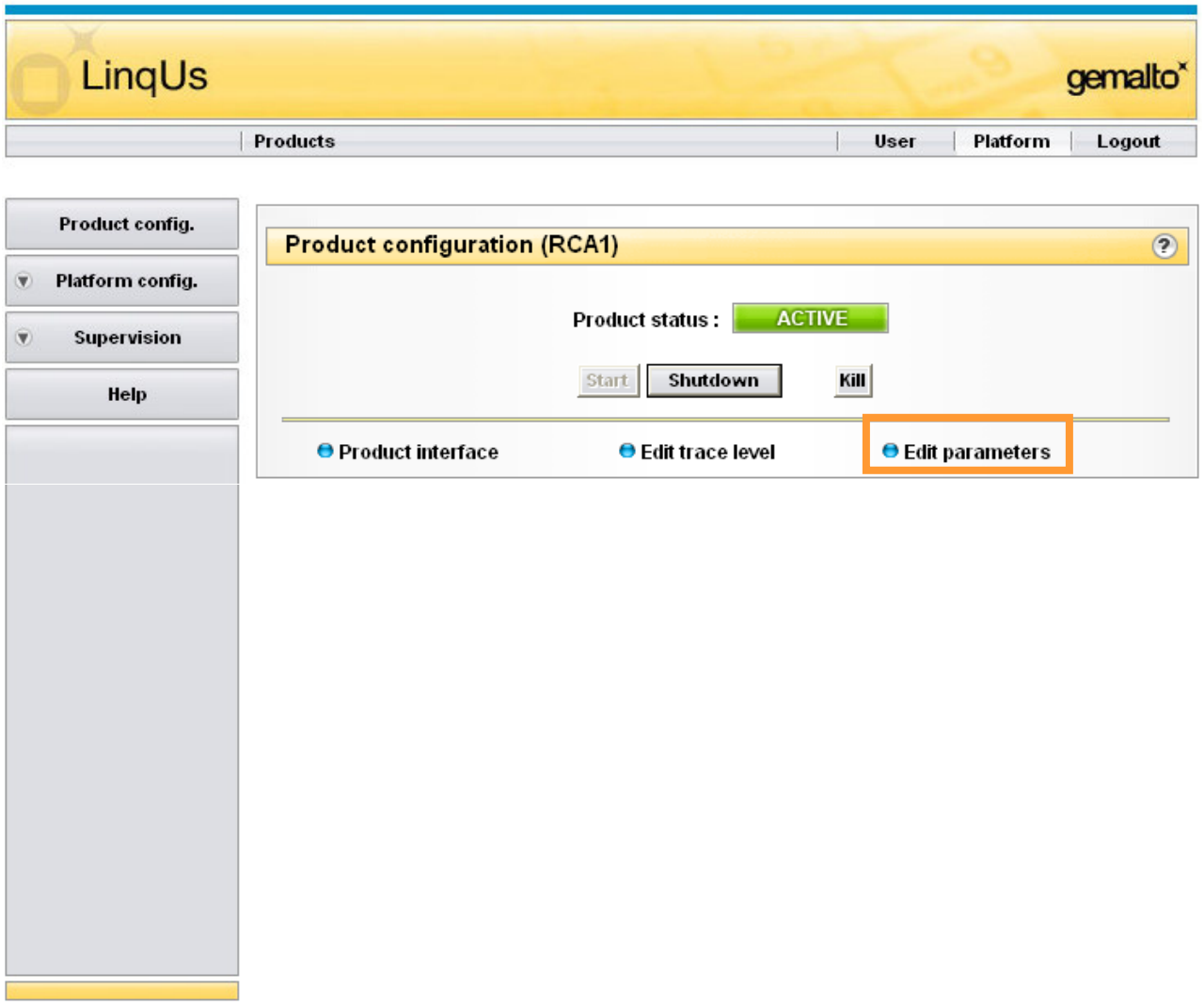
In that case, the usage of **MSG_VAL_PERIOD** allows **OTA** to **receive DS**

➔ You have to define the
"**Grace period for DS**" = VP - **MSG_VAL_PERIOD**
according to your **SMSC configuration**

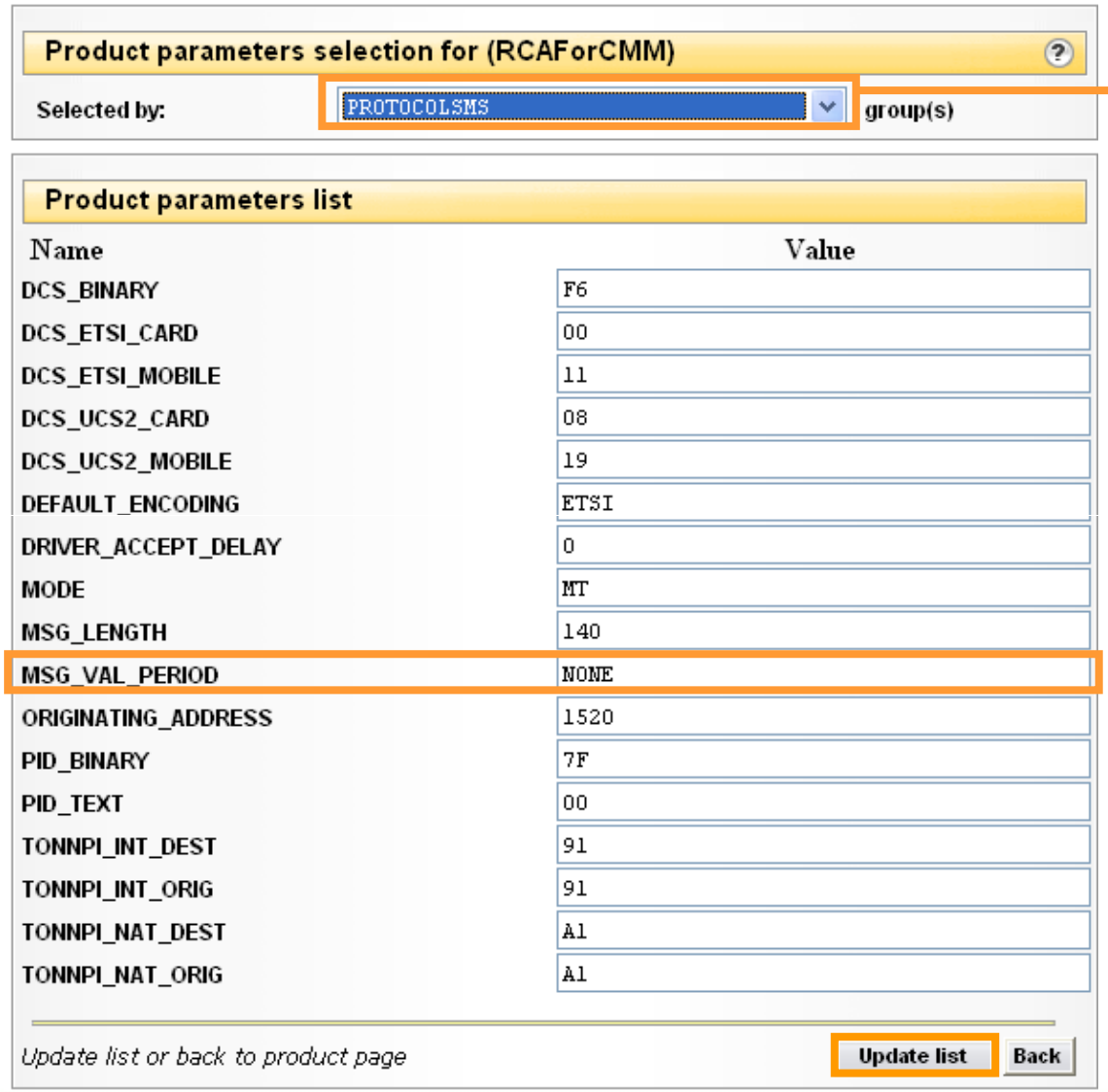
MSG_VAL_PERIOD
CCI access



MSG_VAL_PERIOD
CCI access



MSG_VAL_PERIOD
CCI access



❶ Select PROTOCOL SMS

❷ **Take note of the current values**

❸ Fine tune parameters

Updated values are taken into account immediately