

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

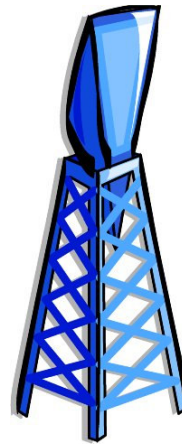
SMSC Channel driver parameter

- 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

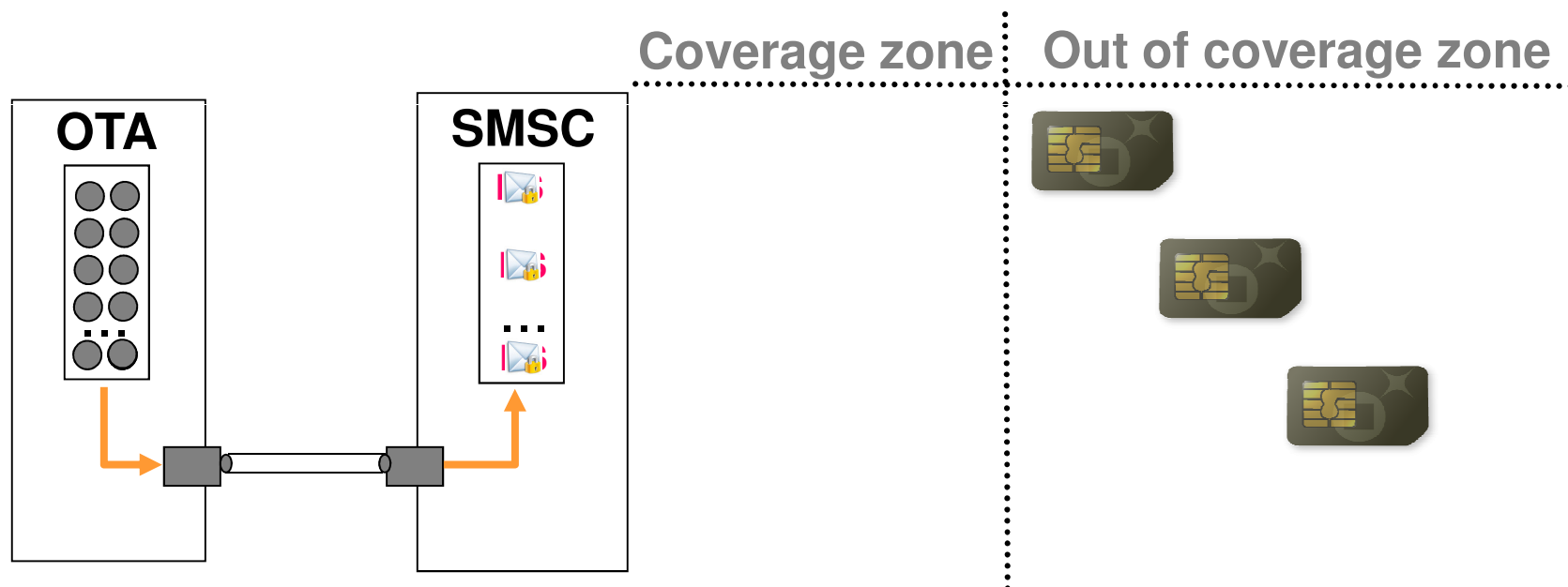
When **cards** are **out of coverage**, OTA platform is waiting for **DS** in order to assign to these cards to “Expired”:

“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...

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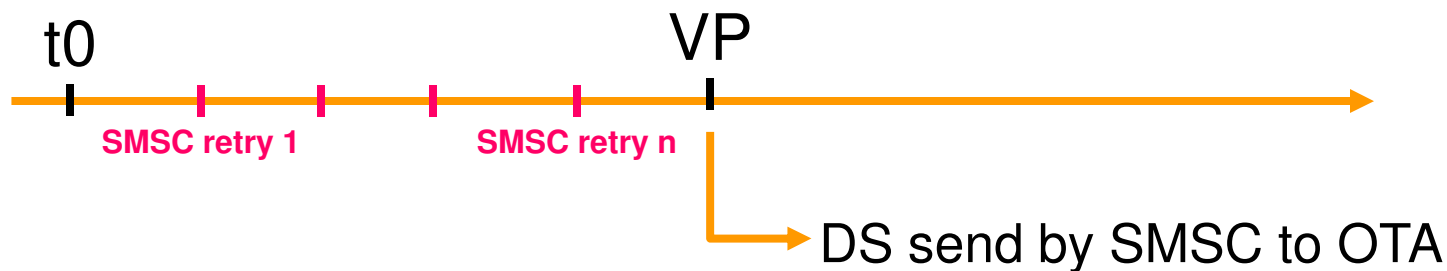
MSG_VAL_PERIOD

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”

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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**” = $VP - \text{MSG_VAL_PERIOD}$
according to your SMSC configuration

MSG_VAL_PERIOD

CCI access

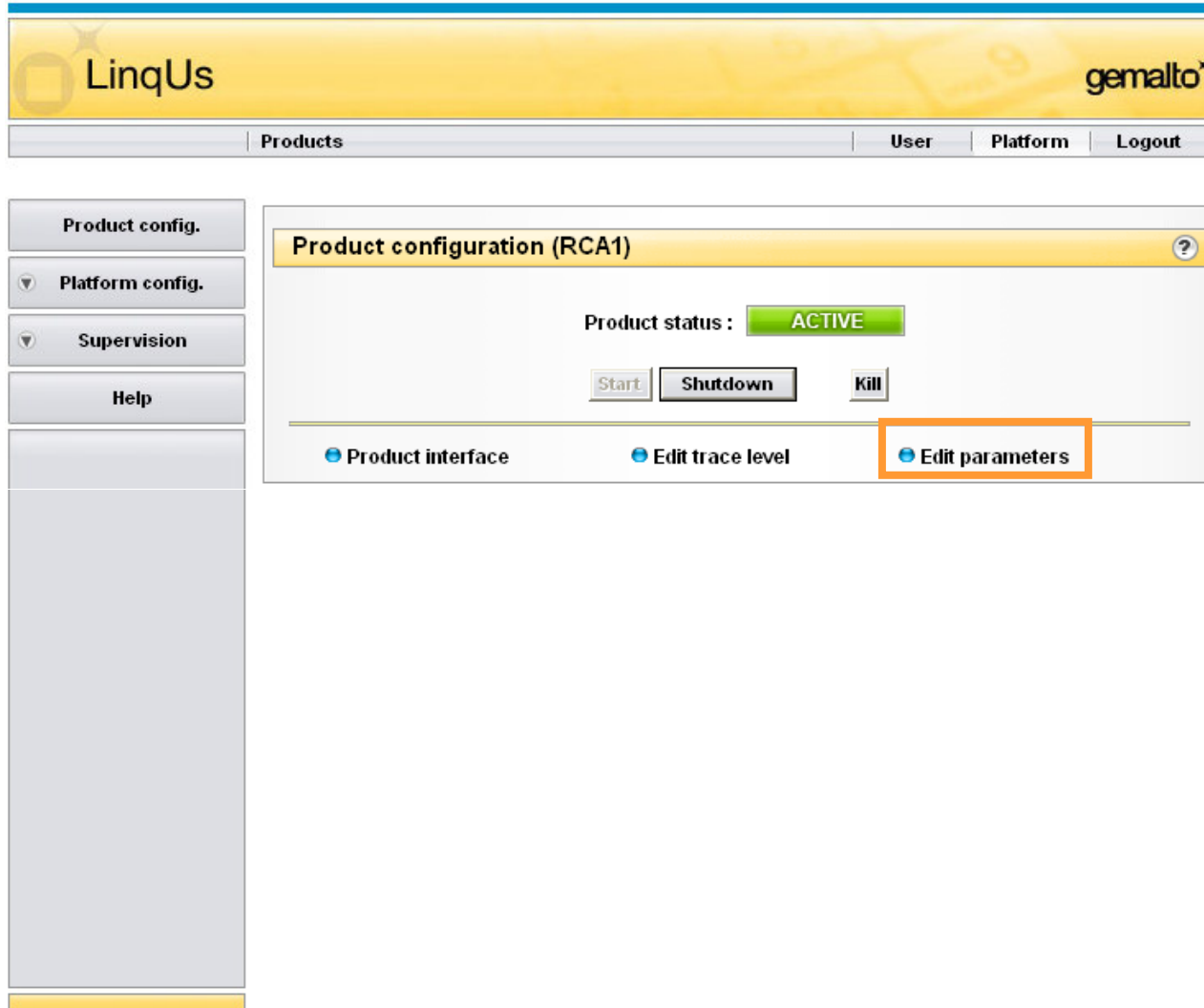
The screenshot shows the LinqUs web interface. The top navigation bar includes 'Products', 'User', 'Platform' (highlighted), and 'Logout'. The left sidebar contains 'Product config.' (highlighted), 'Platform config.', 'Supervision', and 'Help'. The main content area is titled 'Product list' and contains a table with the following data:

Name	Type	Status
GCCM1	Campaign Manager	ACTIVE
RCA1	Remote Card Administrator	ACTIVE
RCAForXCT	Remote Card Administrator	ACTIVE
SAS1	Secure Applet Server	ACTIVE
XCT_1	XCT product	ACTIVE

Below the table, there is a link 'Configure selected product information' and a 'Configure' button (highlighted).

MSG_VAL_PERIOD

CCI access



MSG_VAL_PERIOD

CCI access

Product parameters selection for (RCAForCMM) ?

Selected by: PROTOCOLSMS group(s)

Product parameters list

Name	Value
DCS_BINARY	F6
DCS_ETSI_CARD	00
DCS_ETSI_MOBILE	11
DCS_UCS2_CARD	08
DCS_UCS2_MOBILE	19
DEFAULT_ENCODING	ETSI
DRIVER_ACCEPT_DELAY	0
MODE	MT
MSG_LENGTH	140
MSG_VAL_PERIOD	NONE
ORIGINATING_ADDRESS	1520
PID_BINARY	7F
PID_TEXT	00
TONNPI_INT_DEST	91
TONNPI_INT_ORIG	91
TONNPI_NAT_DEST	A1
TONNPI_NAT_ORIG	A1

Update list or back to product page

Update list Back

① Select PROTOCOL SMS

- ② Take note of the current values
- ③ Fine tune parameters

Updated values are taken into account immediately