

# NEOTION [CI Plus] Testing Kit

Test your [CI Plus] implementation:  
[CI Plus] browser, content control, security...

## Bundle



- 1 Neotion Testing Kit CAM
- 1 Smart Card
- 1 DVD with streams & docs

All the tests described in this documents are performed by using one single CAM module

In a first step, the CAM are loaded with testing certificates and testing algorithm

The TS stream to be used with the smart card is delivered on the DVD

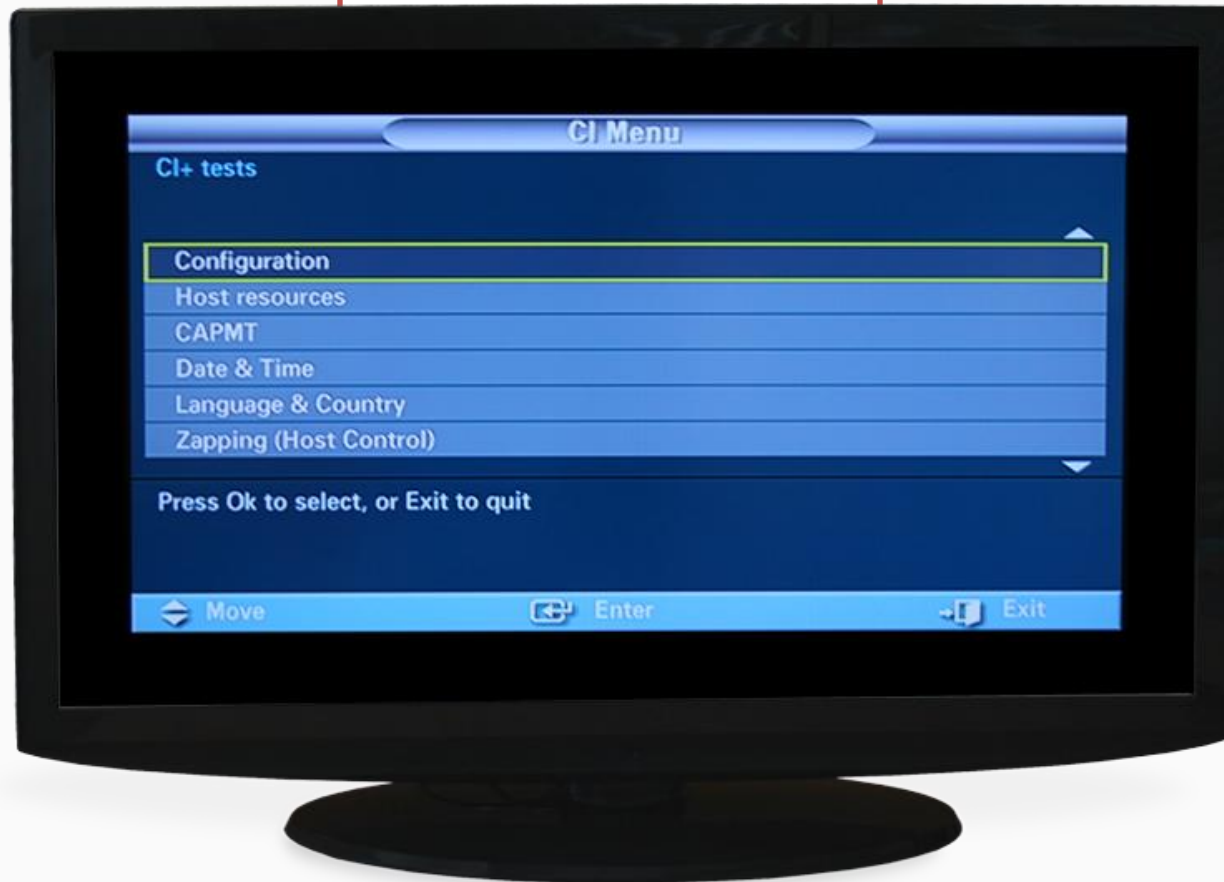
## Authentication



Enable to test host authentication:

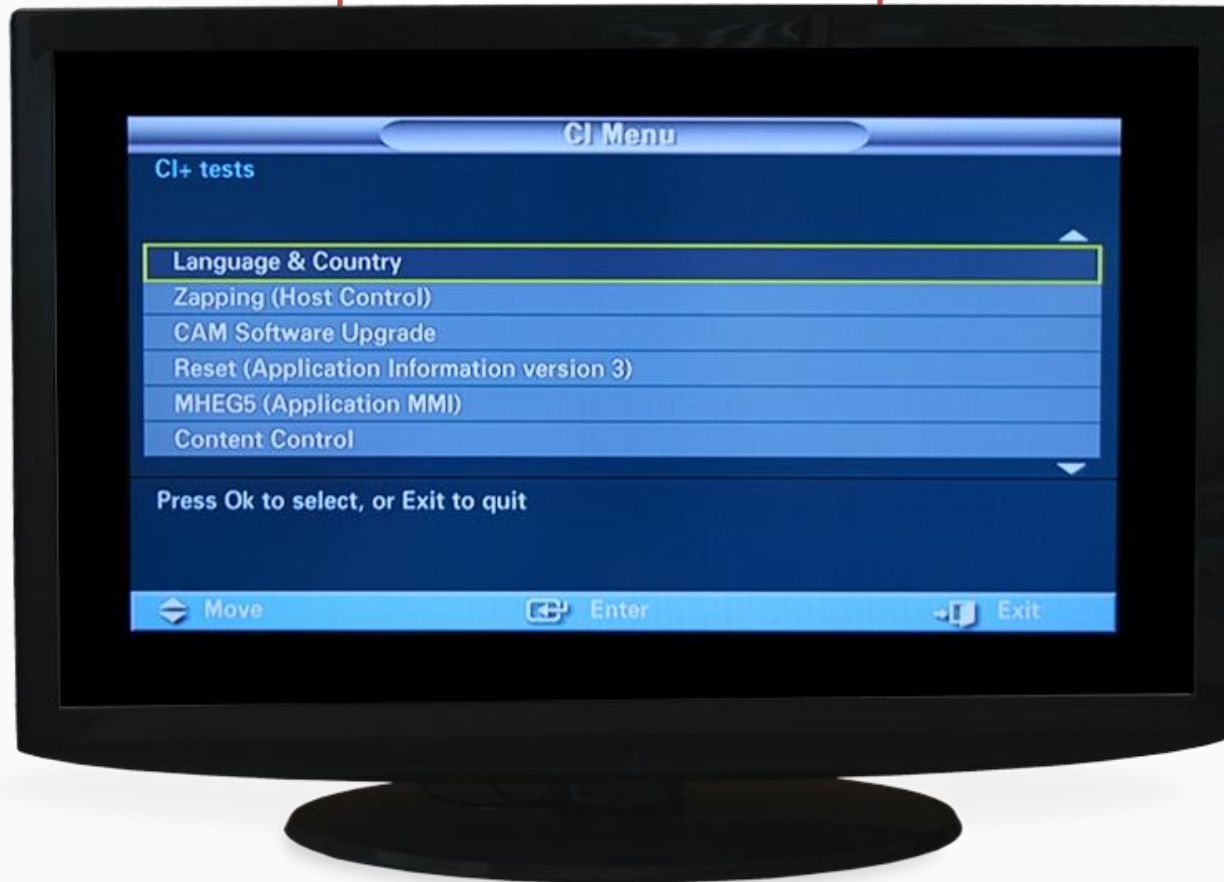
- Testing certificates exchange
- SAC exchange
- Check CI+ resources (and versions)

## Main menu (1)



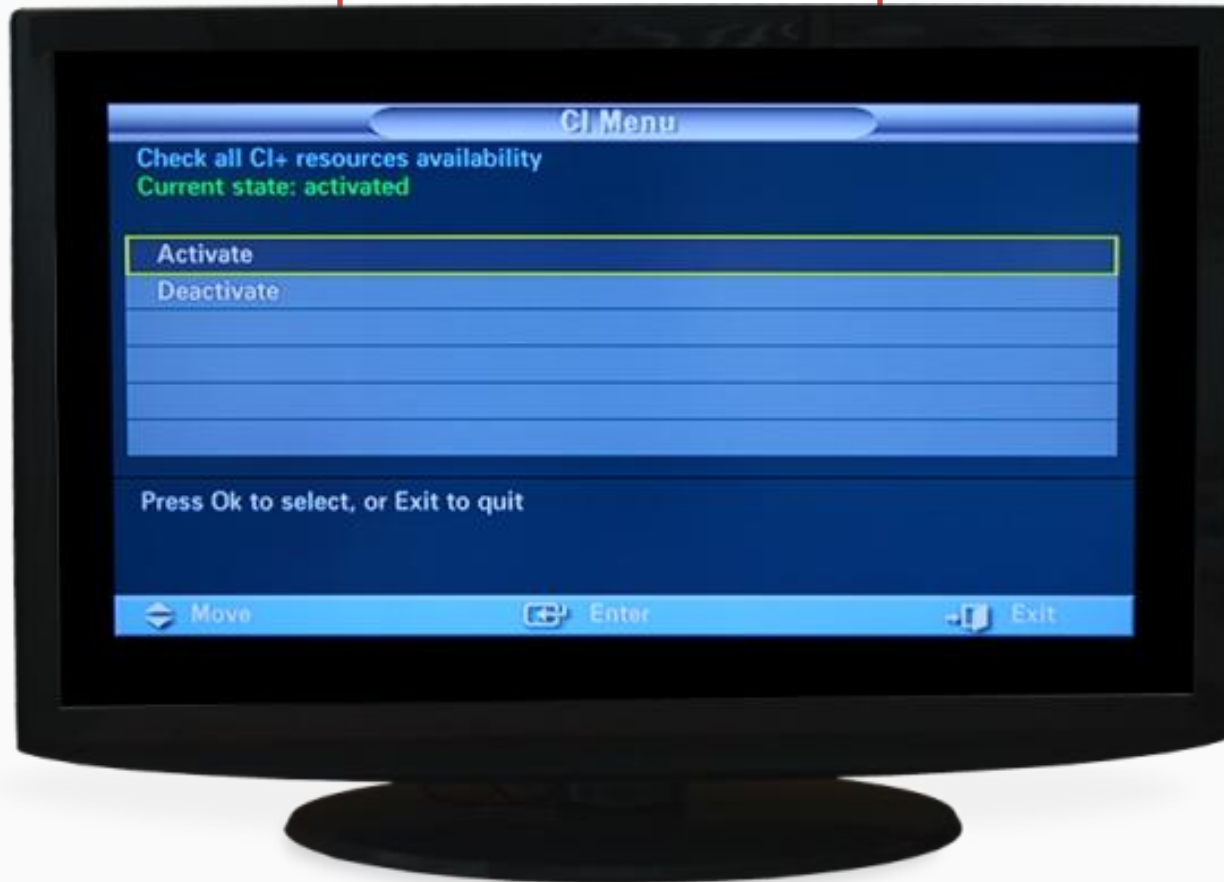
The main menu shows all resources to be tested

## Main menu (2)



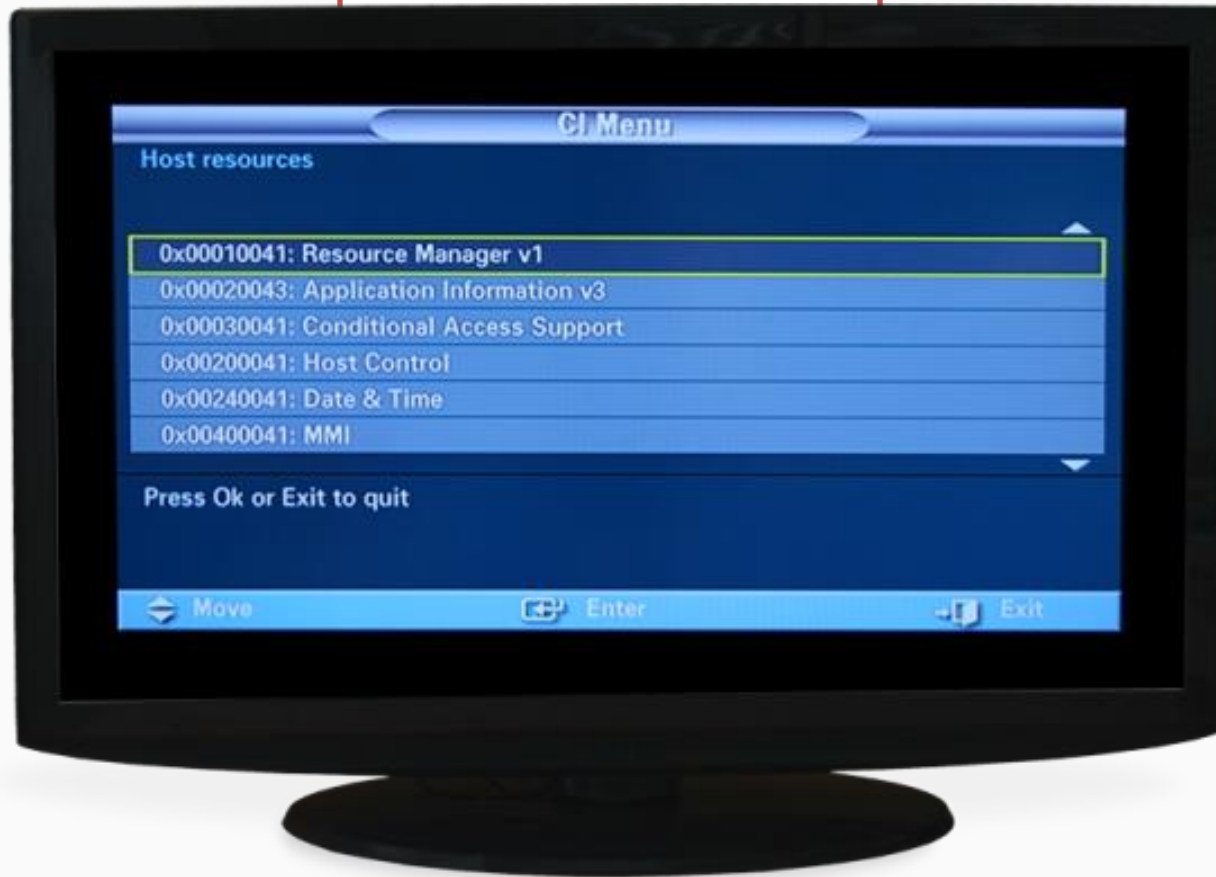
The main menu shows all resources to be tested

## Check CI+ Resources



If authentication fails, you can deactivate the “full” authentication to continue the tests

## Host resources



List every Host CI+ resources detected by the CAM



## CAPMT



Enable to test the CAPMT transmission  
Enable to display the CAPMT information

## Date & Time



Enable to test Date&Time resource

## Language & Country



Enable to test Host Language & Country resource

## Host Control



Enable to test Host Control (zapping) resource

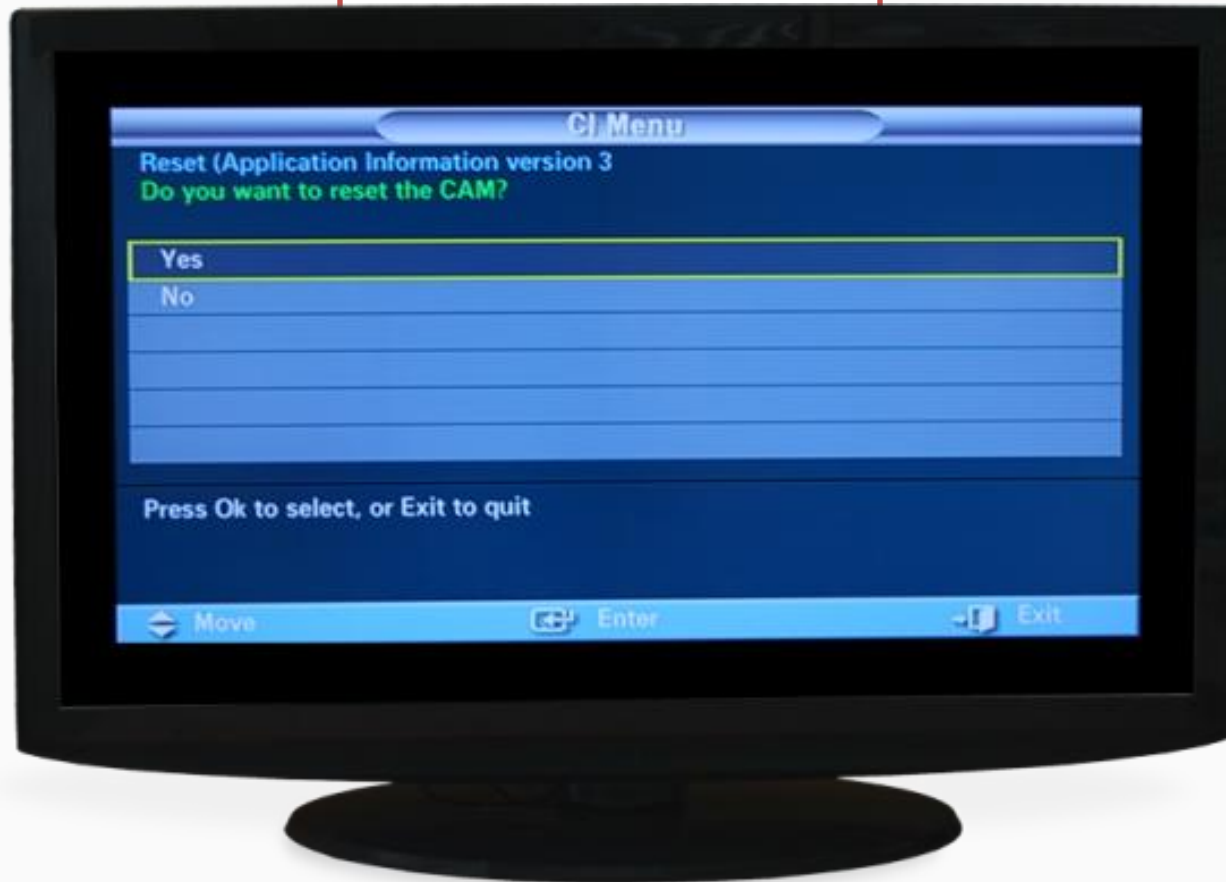
## CAM software upgrade



Advanced test on CAM software upgrade :

- Simulation of CAM software upgrade
- Real CAM software upgrade robustness tests (remove antenna, extract CAM...)

CAM reset



CAM reset capability

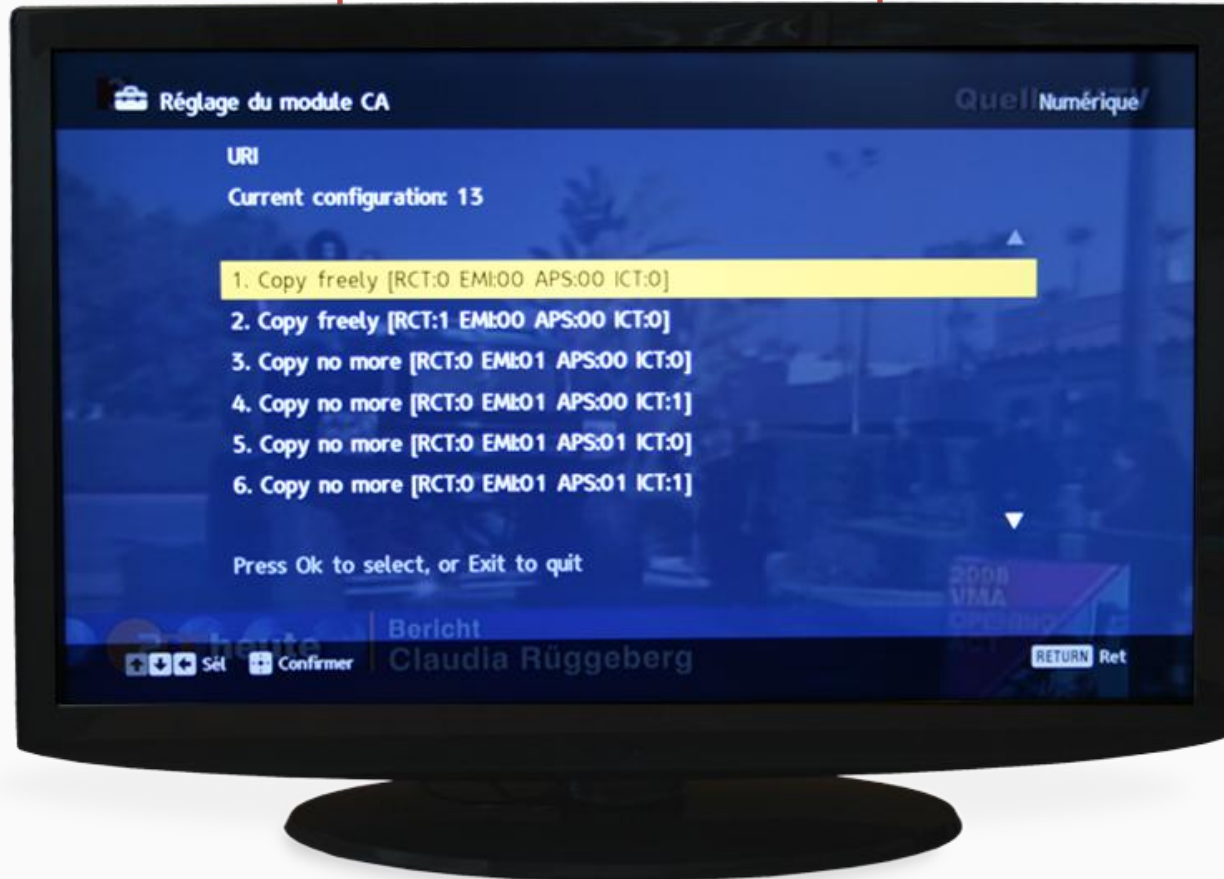
## Content Control



Advanced test on Content Control:

- change CCK lifetime and refresh CCK
- set URI
- Content Control state monitoring

## Content Control

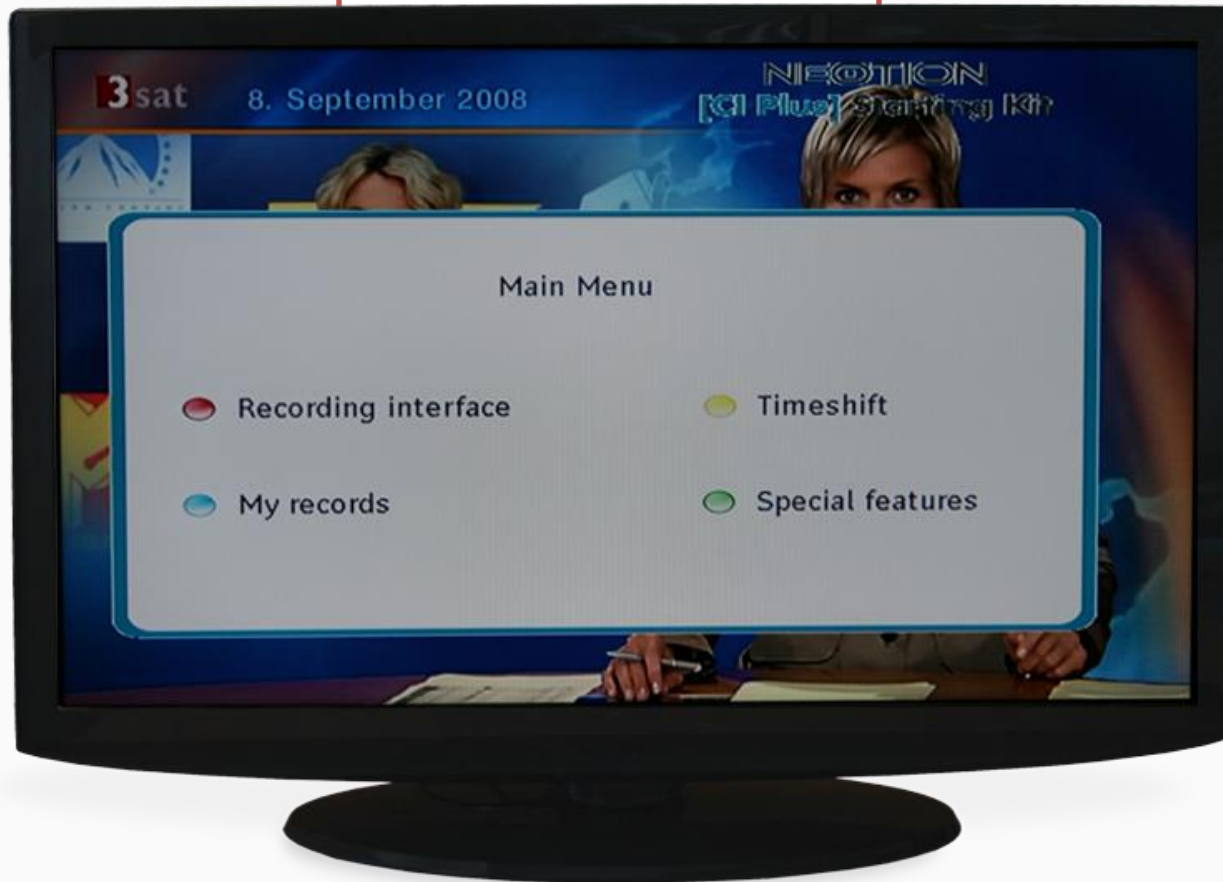


Advanced test on Content Control:

- change CCK lifetime and refresh CCK
- set URI
- Content Control state monitoring



## CI+ browser



Advanced CI+ browser (MHEG5) tests :

- Display menu and logos
- Display big size pictures

## MHEG



Advanced CI+ browser (MHEG5) tests :

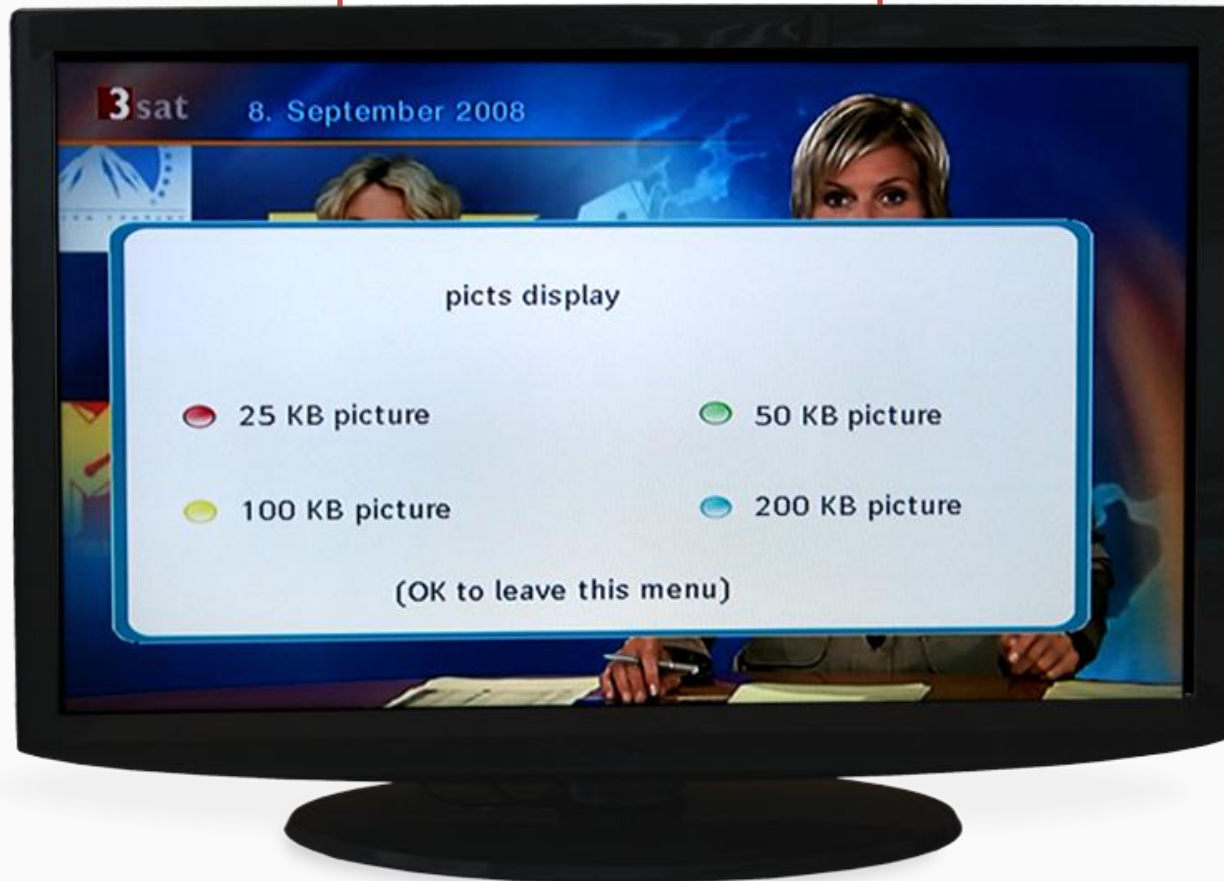
- Remote control key associated to displayed items

## MHEG



Advanced CI+ browser (MHEG5) tests :  
- Display text with incrementation counter

## MHEG



Display picture with different size

## Production test CI+ Module



Module to be used at the end the production cycle