PROBLEM REPORTED:
AFTER POWER UP OF THE WHOLE SYSTEM, WHEN THE MAINS POWER IS SWITCHED ON, THE CONTROL CONSOLE SHOW A WARNING “NO GENERATOR CONNECTION”. AFTER PRESSING “GO” KEY ON CONTROL CONSOLE, kV, mA, time DISPLAYS ARE ZEROED.

SOLUTION:
There are two reason why the control console shows ZERO’s on kV, mA, s displays:

1) Control Console’s “I” key is pressed within 10 seconds after it is powered ON the mains power supply of the generator
2) The generator was switched OFF while in Alarm condition AND there is no Anatomic program 0,0

CASE NUMBER 1)

- On R306.3x “Endeavour” generator it is related to mains AC/DC converter which takes a minimum of 4 seconds up to 8 seconds to supply the 24Vdc to Safety Supervisor Board
- On R306.4x “Program US” generator it is related to self test on Safety Supervisor Board during Analog Breaker ramp to check digital breaker functionality. This first period is called BOOT ON POWER ON and is determinated by progressively switching ON and OFF of RED and YELLOW leds on Supervisor’s status ledbar

For both of the two generators the Safety Supervisors do not accept ON KEY during power-up. Best practice is WAIT AT LEAST 10s BETWEEN MAINS ON AND “I” KEY PRESS.

In case not enough time is passed between mains on and “I” key pressed:
If the “I” key is pressed after the control console shows “Generator not connected” message, the generator switches ON and starts the communication packets initialization, but no communication link is established.

In this case switch off the complete system using control console “O” key and switch on again using “I” key.

A different case is line fault control:
- the line fault control on R306.3x “Endeavour” is done after the generator is ON and after the “GO” key is pressed on control console, so a phase fault do not produce this problem
- the line fault control on R306.4x “Program H.F. US” is done after the Safety Supervisor is ON: The “POWER LINE TOO LOW” RED LED on safety Supervisor is LIT and NO SWITCH ON IS POSSIBLE
CASE NUMBER 2)
Following procedure illustrate how to rebuild the anatomic program number 0,0 when the generator is equipped with Mecall Touch Screen.

It is necessary to rebuild the anatomic program 0,0 because this is the starting point for the generator in case it is switched off while an error was in course, to avoid Mecal Control Console display 0kV, 0mA, 0s when the generator is switched on.

Connect the host computer to the generator through serial port.
Switch ON the generator
Start Navigator application on host computer

Login as Technical Service

Right click on “NoGenerator” and select the correct generator to be connect
Right click on “No Generator” and find the generator on host correct port device.

Right click on “No Configuration” ans select “RX configuration from Generator” for a copy of generator’s configuration in the host computer.

Left click on “Anatomic programs for WS#1.”
In case this is the situation: WS#1, page A, Program Highest-left side = NOT DEFINED do following steps:

Right click on High-left program and select “View/Edit” item, following screen will appear

Modify the program in this way
i.e. DEFAULT RADIO TECHNIQUE = 3 points and a unique name in the AP name

Then press “OK & Send” key
Wait for notification and close this windows pressing “OK” key and APR window right clicking the key.

Then store the configuration file on host computer’s hard drive:

Right click on “Config from generator” and select “Save configuration to file” item

Select a unique file name (generally GENERATOR SN – DATE ( jap format) – LOCATION.GCF), (No dot allowed before .GCF).
Switch off the generator and on again.