**Biella 15/5/2012**

**UTTI plant**

**Handling of CC3 for new APIO**

**Preface**

1. This new tank (CC3) will be installed in the color kitchen area, near the place where the dyestuffs will be prepared.
2. As requested by the customer, it will have the following functionalities:

* mixing
* level control
* hot water filling
* cold water filling
* heating

These functionalities will be set using the new step “gestion de la cuisine 3” with the same parameters like in the step “gestion de la cuisine 1”

1. This CC3 will replace the interface with the dosing colors/chemicals system (Lawer) so that OBEM VDC will not ask to Lawer any kind of intervention during the dyeing process.

**Detailed handling description**

1. There will be a new step of “appel color or prod cuis. 3” that will be placed in the dyeing program to prepare ASAP the needed component to be introduced through the CC1, this step will be used to warn the operator that something has to be prepared for the kitchen CC3, the operator will confirm that the preparation has been completed pressing the red light “appelle produits en cours” in the synoptic of the new color kitchen.
2. Another step of “gestion de la cuisine 3” (like for CC1) will be added in order to communicate the settings to be used (level, mixer, heating, water)
3. Some steps further in the cycle there will be “transfert cuisine 3” that will be placed just before “appel color ou prod cuis.1” to start (if CC1 is empty) the transfer from CC3 to CC1.
4. After that using the usual “appel color ou prod cuis. 1” and “gestion de la cuisine 1” the CC1 will be prepared for the following “transfer cuisine 1” to the machine or the preparation tank.
5. The transfer from CC1 to themachine or the preparation tank will not be subordinated to any additional automatic software control different from that ones illustrated above.

It means that the real presence of the dye liquor inside the CC1 from CC3 is made by the sequence of the pressing action on the red light “appelle produits en cours” and the kitchen 1 will be able to transfer dye liquor made on its own.

**Cost analysis**

1. **Software modifications PC**

**TO BE EVALUATED according to the final configuration requested**

1. **Software modification PLC**

**TO BE EVALUATED according to the final configuration requested**

1. **Hardware modification**

**TO BE EVALUATED according to the final configuration requested**