Procedures for card's replacement

IOS

IMPORTANT: whenever an **IOS** card needs to be replaced, first step is to check the position of all jumpers (compare the new card with the old one). Verify that **J17** and **J18** are positioned to 2-3 [(it means the LAN termination is external) while position **1-2** it means is terminated internally (for test purposes only)].
Switch off the power supply of the card .

After replacing   the card **,**   **power it up**.
While powering up the card keep **pressed together ENTER and CLEAR keys**, for few seconds, until you see the **display drop number** goes flashing.
Press the **up arrow** key until you reach the <u>related drop number</u> and then press **ENTER**, to accept it.
If you experience problems to set the drop number, while **drop number 0 is flashing**, press up or down arrows keys to go to **IOS UTIL** then press **ENTER**. Scroll through to get **SETUP MODE** and press **ENTER**. Then with arrows keys **move to drop number** then press **ENTER** again. Afterwards with up arrow **move to the desired drop number** and press **ENTER** to accept it.

- On the IOS display the message: **LAN download required** will appear.
- Move to MM2000 operator interface and select **Console # 2**, therefore you must press **Ctrl, Alt and F3** at the same time on the PC keyboard.
- Then on the display it prompts for a **user name** and you type in: **tim**
- Press **ENTER**
- It asks you for the password, type: **savorani**
- Press **ENTER**
- When the screen appears move the highlighted cursor to **Tool Interface Manager** and press **ENTER**
- When the **Tool Interface Manager** screen appears with the arrow keys move the cursor to IOS and from the pull-down menu choose **Download an IOS** and press **ENTER**
- On the next screen you are requested to reply to some questions, like:

i.	Direction	press F2 and	select **Download to an IOS** then press **ENTER**
ii.	System	press F2 and	NKB606 (for RTGs) will appear then press **ENTER**
		Or	NKB607 (for QCs) will appear then press **ENTER**
iii.	Network	press F2 and	DLANP will appear so press **ENTER**
iv.	IOS device	press F2 and	select the one you are going to download then press **ENTER**
v.	Drop number	it comes automatically according to the **IOS** selected then press **ENTER**
vi.	File	it comes automatically according to the **IOS** selected then press **ENTER**
vii.	Previous file	no need to write anything just press **ENTER**
viii.	Options	no need to write anything just press **ENTER**

The program start **downloading the selected IOS** and when it completes this operation it will prompt you to strike any key when ready.

- **NOTE**: If the program starts downloading operation then it stops giving error because of **current IOS locked**, press any key to clear the screen then on the next menu move the **highlighted bar to Configure** and press **ENTER**. On the **System Login** screen it asks you for the User name; therefore type <u>admin for RTGs</u> and <u>matguest for QCs</u> then press **ENTER**. The highlight will move to Password so type <u>mfcorp1 for RTGs</u> and <u>maxspeed for QCs</u> then press **ENTER** again. Afterwards press F2 to get the **IOS's list** and with arrow keys point to the **one you need to unlock** and press **ENTER** to get it on the screen, then **press ENTER again**. With arrow keys move to **Utilities and press ENTER**, and on **Utility selections screen** move the highlight to **Remove all domain locks in this IOS** then press **ENTER**. After a while press **F10** to get to previous screen, then press **F10 again** to quit this utility and **answer yes** on **OK to Quit** and **press ENTER**. Afterwards repeat again the above step to download the IOS.
- If there's no need to download any other IOS you **must close the TIM program** therefore with arrows keys move the highlighted cursor back to File, then point to **Exit** and press **ENTER**.
- On **Cranes Tool Interface Manager** point to **Exit** and press **ENTER**.

To SHUTDOWN PC, one must login with,   File (Exit)   (Exit)
UserName: system
and
password: savorani
and enter the command

/> reboot -ah
after about 20 secs the LynxOS software would have shutdown and you may
switch OFF power to the pc.