POLICY ON PROGRAMMABLE LOGIC CONTROLLERS (PLC)

INTRODUCTION:

This document provides a policy for management of Programmable Logic Controllers (PLC) based systems like SCADA, HMI/MMI.

SCOPE:

This policy applies to all PLC connected to automated equipment in and its associate sites.

POLICY DETAILS:

- ♦ There shall be procedure in place for management of programmable logic controllers.
 PLC shall be procured from a qualified vendor.
- ♦ Each PLC shall bear a unique identification number and the list of all PLC shall be maintained by the respective sites.
- The newly procured equipment shall be qualified and the PLC connected shall be validated prior to use of equipment or for any subsequent changes thereafter.
- The PLC can be validated by third party based on their competency and shall have appropriate agreement in place.
- \diamond The input, output devices and display of machine PLC shall be in a calibrated state.
- There shall be access control to manage operational or transactional data management with appropriate trainings imparted.
- Any change/modification to PLC shall be handled through change management procedure.
 The data shall be stored and archived wherever applicable.
- \diamond The need for re-validation shall be assessed based on the risk and type of change.

AMENDMENT AND WAIVER:

The company reserves the right to amend, alter and/or terminate this policy at any time.

DEFINITION: Not Applicable

ABBREVIATIONS:

GAMP: Good automated manufacturing practice PLC: Programmable logic

controller

SCADA: Supervisory control and data acquisition HMI: Human machine

interfaces

MMI: Man machine interfaces

REFERENCES:

GAMP 5: GAMP guide for validation of automated systems