

Calibration Unit – Services Interface

Interface Document: LN-MPIA-FDR-INT-013		Issue: 1.2
Relevant Documents: LN-MPIA-FDR-AIT-007		
Brief Description: Services of cooling water, power and Ethernet for the calibration unit		
Prepared: W. Laun, L. Mohr, W. Gässler Date: 28 February 2005	Approved: S. Egner Date: 4 March 2005	Released: Martin Kürster Date: 2 June 2005

Interface Description

This Document describes the interface between the calibration unit and the services which are: cooling water, electrical power and Ethernet connection.

Interface Specification

- Cooling water-glycol:

The calibration unit does not need any cooling water

- Electrical power connection:

The calibration unit has motors and lasers to feed fibers to create artificial stars. Electrical power will be provided through the motor controllers placed in the electronics cabinet.

- Ethernet connection

The calibration unit will need Ethernet for the motor controllers, which are placed in the electronic cabinet. Only low data rates will be required. The protocol is TCP/IP sockets. The LN common software will provide libraries.

Data rate	$\geq 10\text{Mbit/s}$
Protocol	TCP/IP sockets, LN common software library.