

# Status of Activities - Nick Gazis



Current Status Future Task

#### **PhD Thesis**

Written, edited, finalized and submitted. Final comments received.

Integration of comments, examination of the pending courses and thesis defense.

## Prototype fabrication of the supporting systems of CLEX Modules (0-0-1)

Contract F-610 adjudicated to ZTS/Boostec, conceptual design and predesign received from the supplier.

Validation of the predesign and the manufacturing design, design meeting & supply follow-up.

#### Fabrication of the MB Type-1 girder (with V-shaped supports) in the LAB

Contract adjudicated, conceptual design received by the supplier and commented by CERN.

Update of the conceptual design by the supplier, validation of the predesign and the manufacturing design (by CERN) and supply follow-up.

# Optimization of V-shaped supports for the DB girders of T-1 & T-4 (LAB)

Precise machining of the V-shaped supports was achieved and validated. Design optimization followed and FEA confirmed the results.

V-shaped supports were disassembled, and the modifications for their optimization are in progress. Re-assembly and validation will follow.

## Material testing for the supporting system

Specimen design was optimized. Samples were procured, delivered and inspected. The experimental schedule was updated, finalized and submitted for approval.

Authorization is in progress. Expedition of samples from CERN to the experimental facilities will be scheduled and the mechanical and radiation tests will follow.



