## *Jlab Accelerator Division*

## *AHLA Application Conversion to*

## *CEBAF Element Database (CED)*

Scientific/Technical Project Charter

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| **Project Name (and Number)** | AHLA-CED Application Conversion |
| **Project Abstract** | Conversion of existing AHLA-owned applications to use the new CEBAF Element Database (CED) as the authoritative source of beamline component information. Applications using the CED will be updated with the latest configuration information.* Reduction of Accelerator downtime due to application mis-configuration.
* Reduction of time spent on application maintenance
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| **Project Sponsor** | Accelerator Division |
| **Funding Sources** |  |
| **Project Management Team** | Michele Joyce |
| **Lead Organization** | AHLA |
| **Supporting Organizations** | Operations Group |
| **Scientific/Technical** **Background** | Many of the operational tools provided and maintained by the AHLA group need up-to-date beamline configuration information. The CED is being developed to provide a central repository for beamline configuration information. The AHLA group provides and maintains many operational tools that would benefit from the use of such a repository. |
| **Project Scope** | Within the project scope:* Compile list of existing AHLA applications that would benefit from the use of the CED.
* Conversion of existing AHLA applications to use the CED for configuration.
* Commitment to use the CED when developing new applications

Outside the project scope:* Conversion of applications not under AHLA responsibility.
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| **Objectives** | All AHLA applications will to be using the CED for configuration information by start of 12GeV. |
| **Deliverables** | * List of applications eligible for conversion.
	+ List to include identification of CED systems used.
	+ List will be updated periodically with status information and progress.
* Each application identified will be converted to use the CED as the CED is populated with the needed system(s)
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| **Constraints** | Application conversion progress will depend on 1. CED development and population
2. Manpower
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| **Assumptions** | * System relevant to the application is maintained in the CED
* CED information is maintained and kept up-to-date by system experts.
* Applications are relatively stable and can be up-graded without re-design.
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| **Special JLab Commitments** |  |
| **Budget** | Magnets0.35 FTE Computer Scientist IOCS0.1 FTE Computer ScientistRF0.3 FTE Computer ScientistDiagnostics0.3 FTE Computer ScientistVacuum0.05 FTE Computer Scientist |
| **Schedule** | \*\*At current staffing levels:* November 2011 (end of 6 month down)
	+ Magnet and IOC applications
* May 2012 (start of 12GeV shutdown)
	+ RF Applications
* May 2013 (start of 12GeV)
	+ Diagnostics and Vacuum applications
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| **Controls/Reporting** |  |