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MDMC Member Update: Los Alamos National Laboratory

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Abstract

An update on material and model information management efforts at LANL is presented. Both current status and issues are included.

Keywords: materials, models, data

Status

- Both metals/ceramics and polymers/foams/composites databases on same servers now (unclassified and classified)
 - Do we merge into one database? **GRRappler would help with this!**
- Perpetual license for MI (finally)!
- General structure for analysis purpose well along
 - Properties table for 1st order thermophysical properties, mostly range data
 - Models tables by type of materials/relevant models
 - Elastomers/elastomeric foams
 - Plastic-bonded explosives
 - Metals
 - Ceramics
 - Crushable foams
 - Etc.
 - Additional test data tables and pedigree table

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Issues

- Initial quality rating by system (can be over-ruled by admin or highlighted because of anomalies by software) This currently involves a lot of time to review each record upon entry/release. Initial quality ratings that flag anomalies or extreme value quality scores would help in this process.
- Updating from one server to another
- Chasing pedigree for older data-points to workflow requirements for importing data
- GRRappler?