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Near-term Priorities

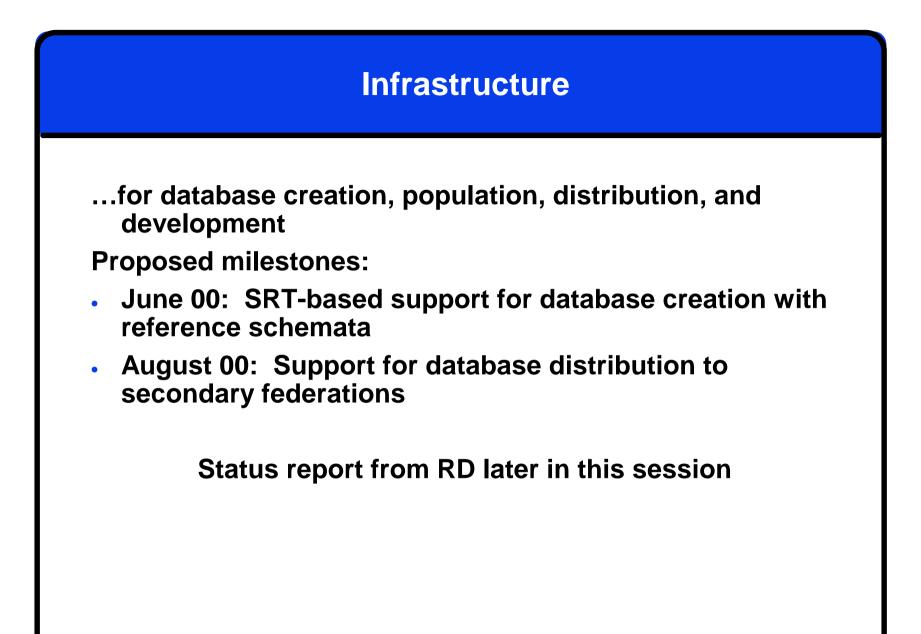
- Access to existing data
- Infrastructure for database creation, population, distribution, and development
- Mechanisms to support data access through the prototype control framework and its successors
- Initial detector description infrastructure, including detector component identification, and input geometry
- Datastore support for testbeams

Access to Existing Data

This refers primarily to data from the physics TDR. Related milestones:

- April 00: Geant3 digits available
- July 00: Geant3 hits available

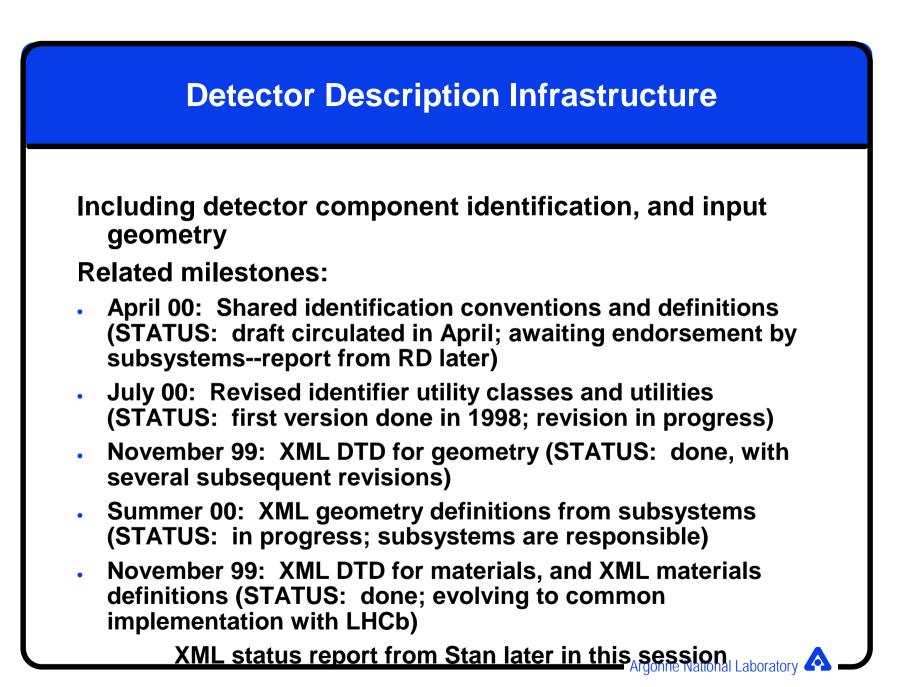
Status report from RD later in this session



Data Access through Control Framework

Related milestones:

- September 00: Objectivity/DB data access through control framework
 - Precise meaning to be determined in conjunction with architecture team
 - Involves both infrastructure definition/development and concrete physics data models (transient and persistent)
 - Tile testbeam data access initiative to begin May 00 (Calafiura/Malon)
 - Access to TDR data via Objectivity/DB needs prioritization (but see Fabiola's milestone: end of 00)



Datastore Support for Testbeam

Related milestones:

- July 99: Tile calorimeter testbeam pilot project using Objectivity/DB (STATUS: completed)
- July 00: RD5 calibration database infrastructure in place
- August 00: RD45 naming; support for user data areas in shared federation
- August 00: Testbeam data models (subsystems have primary responsibility)
- September 00: Current tile testbeam data model connected to control framework
- October 00: Tile and LAr data available through framework

Session devoted to testbeam on Friday

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Other Database Activities

- Viability assessment of ATLAS baseline datastore strategy to support technology decision in appropriate timeframe, which is ...
 - 2001? (currently quoted by RD45)
 - 2002? (Computing TDR)
- New hits and digits definitions, to support, for example, Geant4-related milestones)
- Grid-related database work

Viability Assessment of Baseline Database Strategy

- In the current calendar year, the principal components of that effort are proposed to be:
- Accumulation of a significant body of experience with Objectivity/DB
 - based in part upon testbeam
 - specific technology use and evaluation
- Reassessment of ATLAS requirements
 - LHC common effort
 - ATLAS-specific, in conjunction with Architecture Team requirements effort
- Evaluation of scalability/viability testing done by others
 - RD45, CMS, BaBar
 - also experiments that have chosen not to use Objectivity/DB

This effort may require augmentation based upon review outcomes.

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Grid-related Database Activities

Proposed current-year milestones:

- October 00: Grid-enabled support for database distribution to secondary federations
- December 00: Connections to grid-based replica management for data replicated at remote sites

These milestones are optimistic, and are contingent upon grid project funding (e.g., PPDG).

Grid connections to database and other offline software development will be discussed on Friday.